

Converting Colors

XYZ(75.3276, 90.3628, 84.0296)

Have a look what the booklet for
XYZ(75.3276, 90.3628, 84.0296)
contains.

XYZ(75.2270, 90.3117, 83.9880)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.2270, 90.3117,
83.9880)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FFE0
RGB	208, 255, 224
RGB Percent	82%, 100%, 88%
CMY	0.1843, 0.0000, 0.1216
CMYK	0.18, 0.00, 0.12, 0.00
HSL	140°, 100%, 91%
HSV	140°, 18%, 100%
XYZ	75.2270, 90.3117, 83.9880
YIQ	237.4130, -18.0610, -19.6050

Conversions

Conversions Part 2

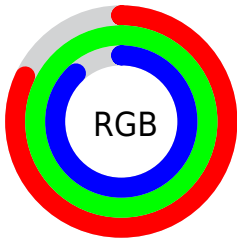
Format	Color
R _{YB}	208, 243, 255
Decimal	13696992
CIE _{Lab}	96.13, -20.80, 9.90
CIE _{LCh}	96, 23.034, 154.546
Y _{xy}	90.3117, 0.3015, 0.3619
Android (android.graphics.Color)	4291887072 (0xFFD0FFE0)
Y _{UV}	237.4130, -6.6126, -25.7952
Hunter-Lab	95.0325, -25.0075, 14.1233

Details

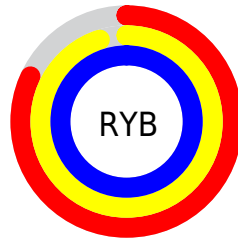
The XYZ color **75.2270, 90.3117, 83.9880** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.3763, 72.6047, 91.4919**, and the grayscale version is **80.8735, 85.0853, 92.6578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4924, 50.0250, 45.0577** is the 20% darker color. If you saturate the color by 10%, you get **66.4551, 86.0403, 72.2538**, and if you desaturate by 10%, it is **85.3788, 95.2684, 96.9675**.

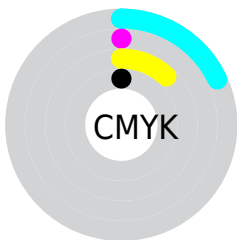
Distribution



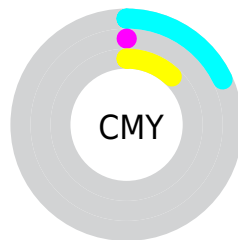
- Red (82%)
- Green (100%)
- Blue (88%)



- Red (82%)
- Yellow (95%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2270, 90.3117, 83.9880 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.2270, 90.3117, 83.9880 by changing the saturation by 10% instead.

75.2270, 90.3117,
83.9880

75.2270, 90.3117,
83.9880

467.6826,
529.0443, 528.3304

56.0937, 68.2392,
62.4602

125.6198,
147.7713, 140.8200

40.5154, 50.0924,
44.9665

157.6101,
183.9271, 176.9612

28.1266, 35.4868,
31.0883

194.6167,
225.5463, 218.8107

18.5620, 24.0381,
20.4070

237.0050,
273.0130, 266.7869

11.4564, 15.3619,
12.5043

285.1404,
326.7118, 321.3085

6.4442, 9.0738,
6.9614

339.3882,

3.1602, 4.7893,

387.0270, 382.7939

3.3599

400.1138,
454.3430, 451.6617

■ 1.2391, 2.1242,
1.2812

■ 0.1369, 0.6782,
0.0463

■ 75.2270, 90.3117,
83.9880

■ 75.2270, 90.3117,
83.9880

■ 66.4551, 86.0403,
72.2538

■ 85.3788, 95.2684,
96.9675

■ 58.9992, 82.4220,
61.7237

95.0500, 100.0000,
108.9000

■ 52.7938, 79.4238,
52.3603

■ 47.7666, 77.0093,
44.1228

■ 43.8376, 75.1381,
36.9680

■ 40.9164, 73.7646,
30.8496

■ 38.8966, 72.8348,
25.7180

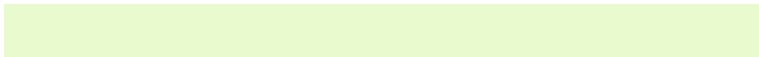
■ 37.6323, 72.2747,
21.5179

■ 37.4726, 72.2050,
20.9386

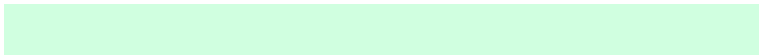
Harmonies

Analogous

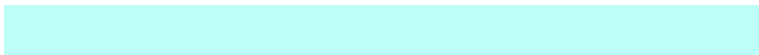
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0654, 90.3117, 72.1313



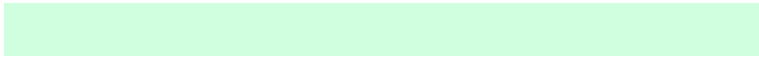
75.2270, 90.3117, 83.9880



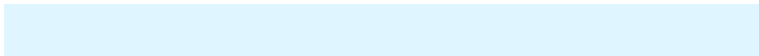
74.1763, 90.3117, 101.1463

Triad

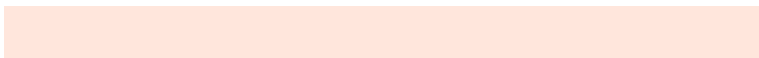
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2270, 90.3117, 83.9880



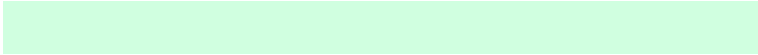
86.8150, 90.3117, 137.6986



96.3494, 90.3117, 79.7187

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.2270, 90.3117, 83.9880



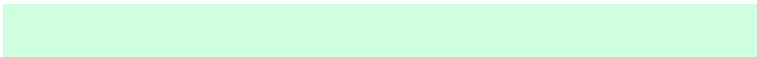
79.3763, 72.6047, 91.4919

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.6633, 90.3117, 95.5745



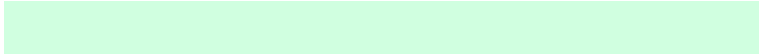
75.2270, 90.3117, 83.9880



92.9879, 90.3117, 130.2192

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



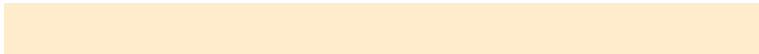
75.2270, 90.3117, 83.9880



80.6711, 90.3117, 133.6077



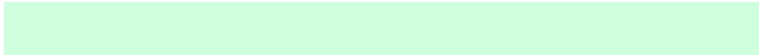
97.4039, 90.3117, 114.2273



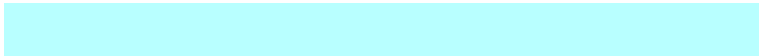
91.2221, 90.3117, 69.8891

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



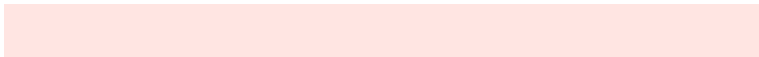
75.2270, 90.3117, 83.9880



75.1517, 90.3117, 113.6703



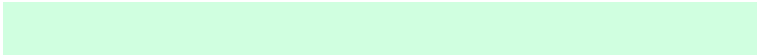
97.4039, 90.3117, 114.2273



97.4933, 90.3117, 84.4433

Sweetspot

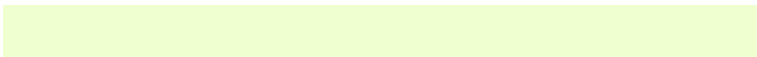
The Sweet Spot groups the original color and five complimentary colors.



75.2278, 90.3121, 83.9894



88.0609, 96.5798, 100.3136



82.8549, 94.4831, 73.5459



18.6926, 20.5957, 21.2772



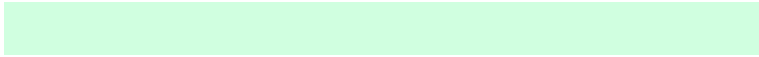
0.0000, 0.0000, 0.0000



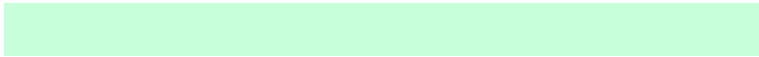
20.3446, 21.4041, 23.3091

Same Dimension

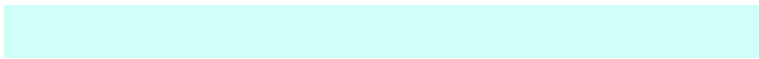
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2278, 90.3121, 83.9894



71.9414, 88.7103, 79.6598



78.5873, 91.6559, 101.6802



18.0267, 20.2702, 20.4437



19.6427, 37.7537, 11.2695



1.9613, 3.6954, 1.3540

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.3763, 72.6047, 91.4919



76.7664, 68.1112, 88.3825



76.1697, 71.3220, 74.6059



18.5145, 18.1891, 21.3263



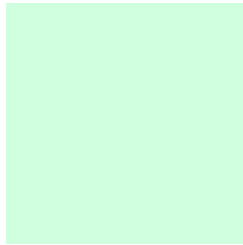
25.3238, 12.6188, 20.8874



2.5169, 1.2491, 2.3034

Previews

White Background



This preview shows how the XYZ color 75.2270, 90.3117, 83.9880 looks on a white background.

Color Contrast Check

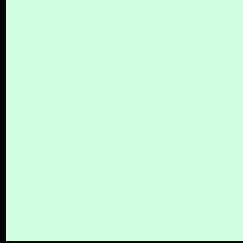
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.2270, 90.3117, 83.9880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

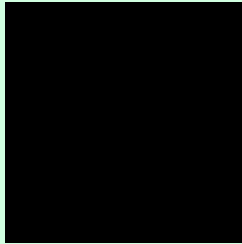
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

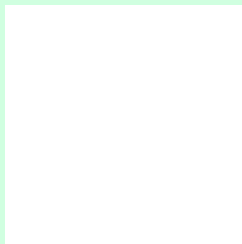
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2270, 90.3117, 83.9880

Background



This preview shows how black text looks on a background with the XYZ color 75.2270, 90.3117, 83.9880.



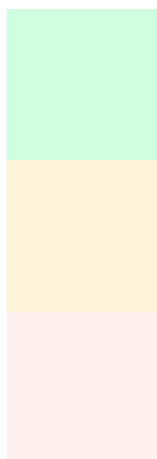
This preview shows how white text looks on a background with the XYZ color 75.2270, 90.3117,

83.9880.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.2270, 90.3117, 83.9880

Protanopia

85.1496, 89.5848, 78.4494

Deuteranopia

87.8327, 89.7532, 93.5837



Tritanopia

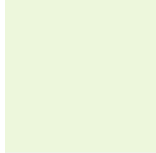
83.9608, 90.1205, 107.5775

Trichromacy



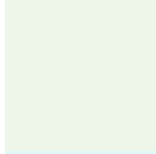
Original Color

75.2270, 90.3117, 83.9880



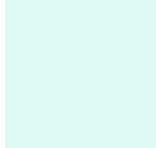
Protanomaly

81.1041, 89.6934, 80.7481



Deuteranomaly

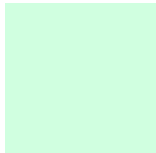
82.6203, 89.3652, 89.9854



Tritanomaly

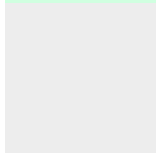
80.6362, 89.9710, 98.7041

Monochromacy



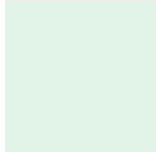
Original Color

75.2270, 90.3117, 83.9880



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.2802, 86.6963, 88.9522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2270, 90.3117, 83.9880 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(208, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(208, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 75.2270, 90.3117, 83.9880 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 255, 224) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(208, 255, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(208, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2270, 90.3117, 83.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(208,  
255, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor