

Converting Colors

XYZ(84.9360, 109.8800,
92.8272)

Have a look what the booklet for
XYZ(84.9360, 109.8800, 92.8272)
contains.

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Color

**XYZ(75.2273, 90.1836,
89.7862)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE8
RGB	204, 255, 232
RGB Percent	80%, 100%, 91%
CMY	0.2000, 0.0000, 0.0902
CMYK	0.20, 0.00, 0.09, 0.00
HSL	153°, 100%, 90%
HSV	153°, 20%, 100%
XYZ	75.2273, 90.1836, 89.7862
YIQ	237.1290, -23.0130, -17.9650

Conversions

Conversions Part 2

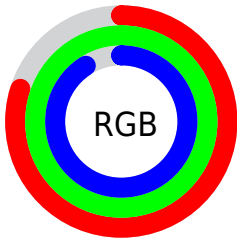
Format	Color
R_{YB}	204, 237, 255
Decimal	13434856
CIE _{Lab}	96.07, -20.57, 5.68
CIE _{LCh}	96, 21.339, 164.560
Yxy	90.1836, 0.2948, 0.3534
Android (android.graphics.Color)	4291624936 (0xFFCCFFE8)
YUV	237.1290, -2.5286, -29.0541
Hunter-Lab	94.9650, -24.7887, 10.4189

Details

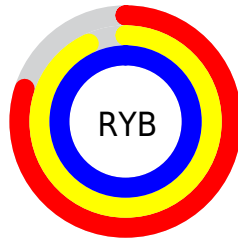
The XYZ color **75.2273, 90.1836, 89.7862** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.6984, 69.9927, 82.1405**, and the grayscale version is **80.6268, 84.8257, 92.3751**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4250, 49.9123, 48.5777** is the 20% darker color. If you saturate the color by 10%, you get **67.2204, 86.2384, 81.1623**, and if you desaturate by 10%, it is **84.4870, 94.7621, 99.0295**.

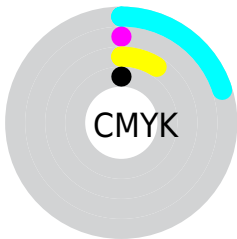
Distribution



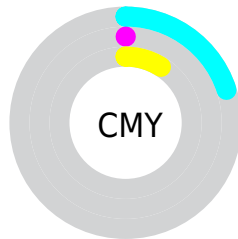
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.2273, 90.1836, 89.7862 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 75.2273, 90.1836, 89.7862 by changing the saturation by 10% instead.


 75.2273, 90.1836,
89.7862

 75.2273, 90.1836,
89.7862


467.6836,
528.6279, 547.8873

 56.0940, 68.1329,
67.2306


125.6203,
147.5934, 148.9743

 40.5156, 50.0059,
48.8093


157.6106,
183.7213, 186.4439

 28.1267, 35.4181,
34.1037

194.6172,
225.3104, 229.7219

 18.5622, 23.9851,
22.6953

237.0057,
272.7452, 279.2269

 11.4565, 15.3226,
14.1655

285.1411,
326.4099, 335.3774

 6.4443, 9.0461,
8.0958

339.3891,

 3.1603, 4.7713,

386.6890, 398.5919

4.0676

400.1148,
453.9669, 469.2890

■ 1.2391, 2.1137,
1.6625

■ 0.1369, 0.6723,
0.3349

■ 75.2273, 90.1836,
89.7862

■ 75.2273, 90.1836,
89.7862

■ 67.2204, 86.2384,
81.1623

■ 84.4870, 94.7621,
99.0295

■ 60.4062, 82.8961,
73.1403

95.0500, 100.0000,
108.9000

■ 54.7232, 80.1250,
65.7078

■ 50.1031, 77.8902,
58.8502

■ 46.4698, 76.1528,
52.5525

■ 43.7366, 74.8684,
46.7986

■ 41.8005, 73.9839,
41.5711

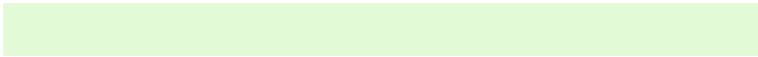
■ 40.4941, 73.4136,
36.8493

■ 40.4940, 73.4136,
36.8490

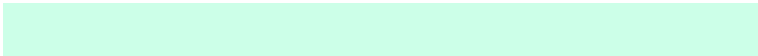
Harmonies

Analogous

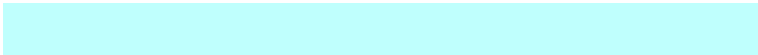
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9911, 90.1836, 76.7917



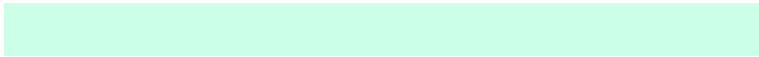
75.2273, 90.1836, 89.7862



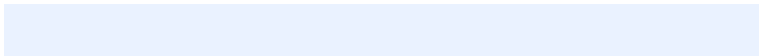
75.1860, 90.1836, 106.6022

Triad

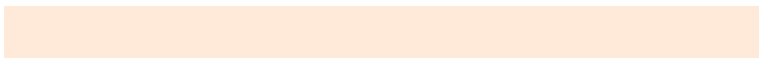
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2273, 90.1836, 89.7862



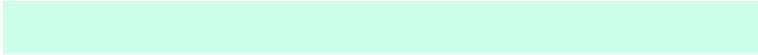
88.6043, 90.1836, 133.1665



94.0676, 90.1836, 77.0916

Complementary

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



75.2273, 90.1836, 89.7862



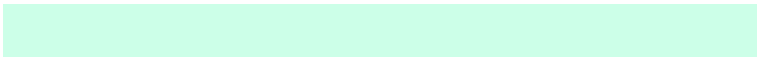
76.6984, 69.9927, 82.1405

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.



97.1877, 90.1836, 90.2411



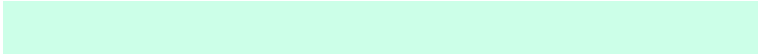
75.2273, 90.1836, 89.7862



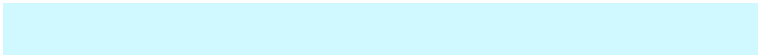
93.9366, 90.1836, 123.2452

Square

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



75.2273, 90.1836, 89.7862



82.7282, 90.1836, 133.0083



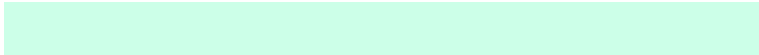
97.1387, 90.1836, 107.1122



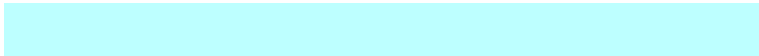
88.7765, 90.1836, 70.0567

Rectangle

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



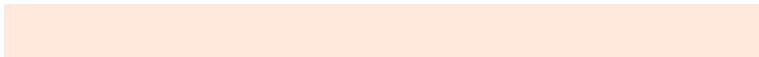
75.2273, 90.1836, 89.7862



76.6985, 90.1836, 117.8291



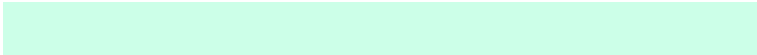
97.1387, 90.1836, 107.1122



95.4157, 90.1836, 80.8723

Sweetspot

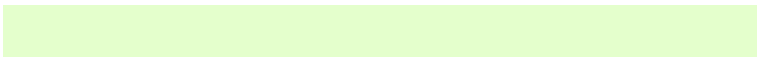
The Sweet Spot groups the original color and five complimentary colors.



75.2281, 90.1839, 89.7876



88.5523, 96.7763, 102.9011



78.5911, 92.3412, 70.8093



18.8086, 20.6421, 21.8882



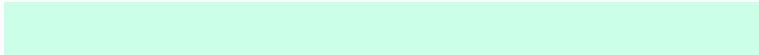
0.0000, 0.0000, 0.0000



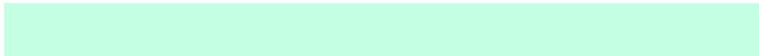
20.3446, 21.4041, 23.3091

Same Dimension

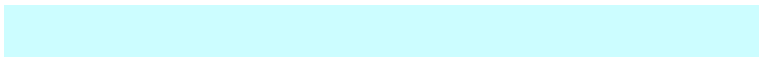
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2281, 90.1839, 89.7876



71.8774, 88.5311, 86.2636



78.1724, 90.4978, 107.9554



18.1889, 20.3351, 21.2977



21.2354, 38.3907, 19.6566



2.1227, 3.7600, 2.2041

Inverse Universe

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



76.6984, 69.9927, 82.1405



73.5916, 64.9963, 77.3523



74.1389, 69.6189, 66.6581



18.3499, 18.1233, 20.4597



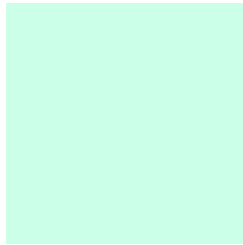
23.2384, 11.7847, 9.9060



2.3168, 1.1691, 1.2497

Previews

White Background



This preview shows how the XYZ color 75.2273, 90.1836, 89.7862 looks on a white background.

Color Contrast Check

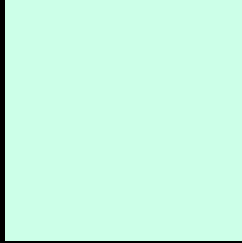
Large Text (above 18pt) WCAG AA × Fail

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 75.2273, 90.1836, 89.7862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

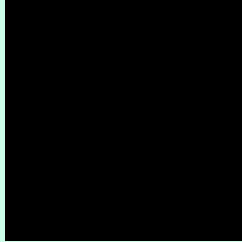
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

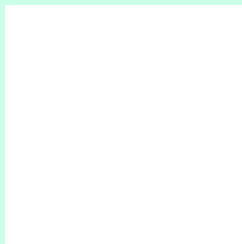
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.2273, 90.1836, 89.7862

Background



This preview shows how black text looks on a background with the XYZ color 75.2273, 90.1836, 89.7862.



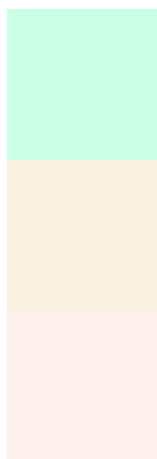
This preview shows how white text looks on a background with the XYZ color 75.2273, 90.1836,

89.7862.

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

75.2273, 90.1836, 89.7862

Protanopia

85.4876, 89.6360, 84.0300

Deuteranopia

88.1283, 89.8714, 95.1401



Tritanopia

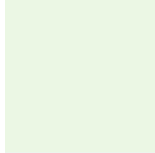
83.6389, 89.9545, 107.5625

Trichromacy



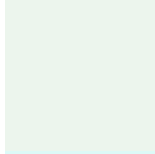
Original Color

75.2273, 90.1836, 89.7862



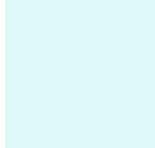
Protanomaly

81.5253, 89.7851, 86.4322



Deuteranomaly

82.5305, 89.2521, 92.9983



Tritanomaly

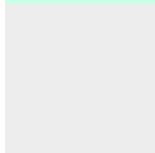
80.4830, 89.8389, 101.0944

Monochromacy



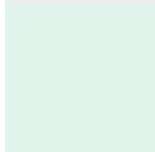
Original Color

75.2273, 90.1836, 89.7862



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.3974, 86.7071, 91.2014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.2273, 90.1836, 89.7862 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(204, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 232)  
}
```

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(204, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 75.2273, 90.1836, 89.7862 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(204, 255, 232) }
```


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

```
.border{ border-color:rgb(204, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 75.2273, 90.1836, 89.7862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 232) }
```

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

```
.background{ background-color: rgb(204,  
255, 232) }
```

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](#).

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