

Converting Colors

XYZ(75.4735, 90.2683, 91.7017)

Have a look what the booklet for
XYZ(75.4735, 90.2683, 91.7017)
contains.

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Color

**XYZ(75.6572, 90.3555,
92.0501)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFEB
RGB	204, 255, 235
RGB Percent	80%, 100%, 92%
CMY	0.2000, 0.0000, 0.0784
CMYK	0.20, 0.00, 0.08, 0.00
HSL	156°, 100%, 90%
HSV	156°, 20%, 100%
XYZ	75.6572, 90.3555, 92.0501
YIQ	237.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

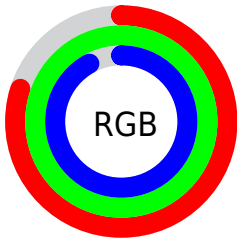
Format	Color
R _Y B	204, 236, 255
Decimal	13434859
CIE Lab	96.14, -20.00, 4.24
CIE LCh	96, 20.441, 168.027
Yxy	90.3555, 0.2932, 0.3501
Android (android.graphics.Color)	4291624939 (0xFFCCFFEB)
YUV	237.4710, -1.2182, -29.3541
Hunter-Lab	95.0555, -24.2743, 9.1235

Details

The XYZ color **75.6572, 90.3555, 92.0501** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2879, 69.8285, 79.9785**, and the grayscale version is **80.8813, 85.0934, 92.6667**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7252, 50.0324, 50.1586** is the 20% darker color. If you saturate the color by 10%, you get **67.8265, 86.4809, 84.3536**, and if you desaturate by 10%, it is **84.7152, 94.8534, 100.2309**.

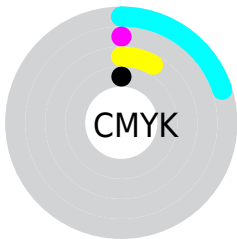
Distribution



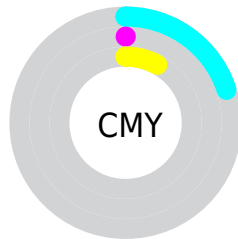
- Red (80%)
- Green (100%)
- Blue (92%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6572, 90.3555, 92.0501 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 75.6572, 90.3555, 92.0501 by changing the saturation by 10% instead.


 75.6572, 90.3555,
92.0501

 75.6572, 90.3555,
92.0501


469.1359,
529.1866, 555.4187

 56.4475, 68.2755,
69.0990


126.2252,
147.8321, 152.1431

 40.8003, 50.1219,
50.3201


158.3142,
183.9975, 190.1221

 28.3500, 35.5103,
35.2948


195.4270,
225.6269, 233.9475

 18.7315, 24.0562,
23.6047

237.9290,
273.1046, 284.0377

 11.5793, 15.3753,
14.8312

286.1855,
326.8150, 340.8114

 6.5280, 9.0832,
8.5557

340.5619,

 3.2124, 4.7955,

387.1426, 404.6871

4.3597

401.4236,
454.4716, 476.0834

■ 1.2671, 2.1278,
1.8247

■ 0.1584, 0.6802,
0.4442

■ 75.6572, 90.3555,
92.0501

■ 75.6572, 90.3555,
92.0501

■ 67.8265, 86.4809,
84.3536

■ 84.7152, 94.8534,
100.2309

■ 61.1634, 83.1990,
77.1274

95.0500, 100.0000,
108.9000

■ 55.6072, 80.4786,
70.3630

■ 51.0905, 78.2852,
64.0501

■ 47.5380, 76.5801,
58.1775

■ 44.8637, 75.3192,
52.7337

■ 42.9655, 74.4499,
47.7059

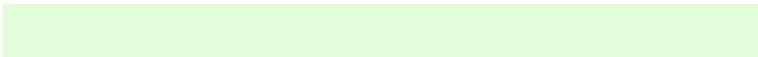
■ 41.6770, 73.8868,
43.0782

■ 41.6769, 73.8868,
43.0779

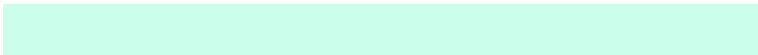
Harmonies

Analogous

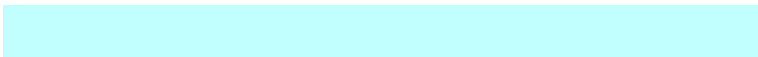
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0323, 90.3555, 78.9553



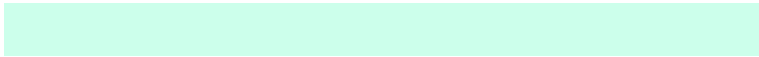
75.6572, 90.3555, 92.0501



75.9313, 90.3555, 108.3573

Triad

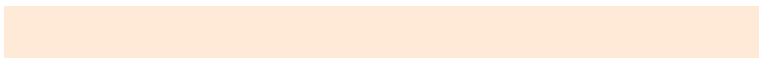
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6572, 90.3555, 92.0501



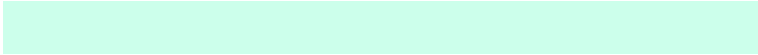
89.2962, 90.3555, 131.1345



93.3743, 90.3555, 76.9598

Complementary

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



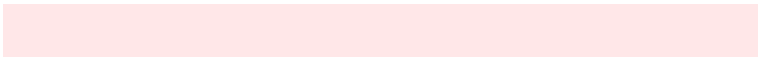
75.6572, 90.3555, 92.0501



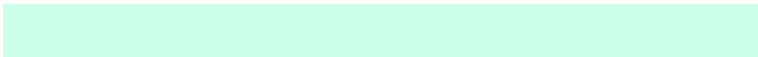
76.2879, 69.8285, 79.9785

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.



96.6623, 90.3555, 89.0381



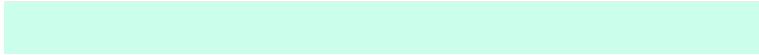
75.6572, 90.3555, 92.0501



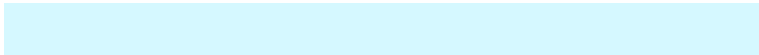
94.2374, 90.3555, 120.7588

Square

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



75.6572, 90.3555, 92.0501



83.6399, 90.3555, 132.1703



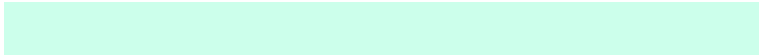
96.9849, 90.3555, 104.9973



88.1601, 90.3555, 70.9065

Rectangle

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



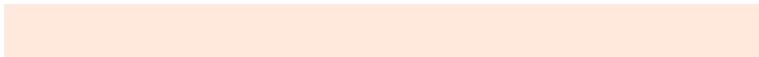
75.6572, 90.3555, 92.0501



77.5809, 90.3555, 118.8823



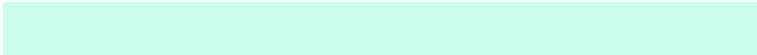
96.9849, 90.3555, 104.9973



94.7512, 90.3555, 80.3849

Sweetspot

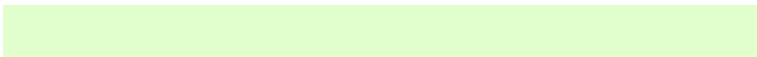
The Sweet Spot groups the original color and five complimentary colors.



75.6581, 90.3559, 92.0516



88.6923, 96.8324, 103.6387



77.5243, 91.7912, 70.7595



18.8418, 20.6554, 22.0627



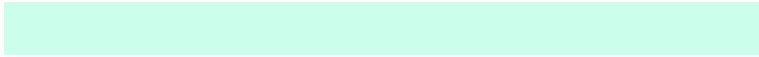
0.0000, 0.0000, 0.0000



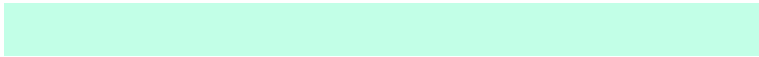
20.3446, 21.4041, 23.3091

Same Dimension

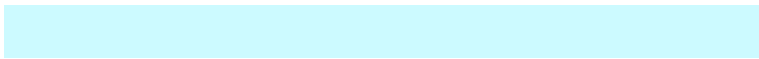
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6581, 90.3559, 92.0516



72.3808, 88.7325, 88.9145



77.1070, 88.3669, 107.6003



18.2354, 20.3537, 21.5428



21.8526, 38.6376, 22.9067



2.1814, 3.7835, 2.5132

Inverse Universe

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



76.2879, 69.8285, 79.9785



73.1158, 64.8060, 74.8468



74.9648, 71.2706, 66.9335



18.3043, 18.1050, 20.2196



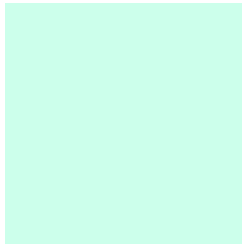
22.8186, 11.6167, 7.6954



2.2736, 1.1518, 1.0221

Previews

White Background



This preview shows how the XYZ color 75.6572, 90.3555, 92.0501 looks on a white background.

Color Contrast Check

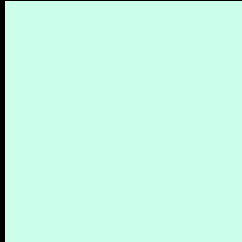
Large Text (above 18pt) WCAG AA × Fail

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 75.6572, 90.3555, 92.0501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

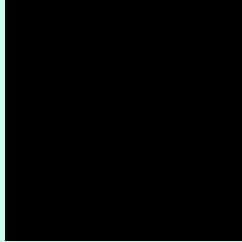
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

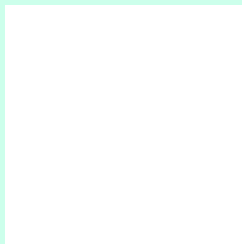
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.6572, 90.3555, 92.0501

Background



This preview shows how black text looks on a background with the XYZ color 75.6572, 90.3555, 92.0501.



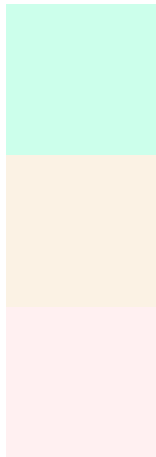
This preview shows how white text looks on a background with the XYZ color 75.6572, 90.3555,

92.0501.

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

75.6572, 90.3555, 92.0501

Protanopia

85.5394, 89.6149, 86.1878

Deuteranopia

88.2773, 89.9311, 95.9248



Tritanopia

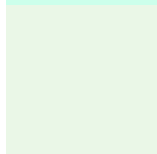
83.6389, 89.9545, 107.5625

Trichromacy



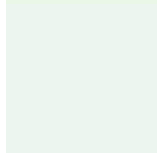
Original Color

75.6572, 90.3555, 92.0501



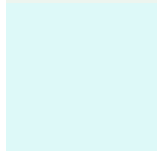
Protanomaly

81.6163, 89.7835, 88.6296



Deuteranomaly

82.8245, 89.3697, 94.5461



Tritanomaly

80.6378, 89.9008, 101.9095

Monochromacy



Original Color

75.6572, 90.3555, 92.0501



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5423, 86.7650, 91.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.6572, 90.3555, 92.0501 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 75.6572, 90.3555, 92.0501 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, 235) }
```


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

```
.border{ border-color:rgb(204, 255, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 75.6572, 90.3555, 92.0501 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, 235) }
```

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

```
.background{ background-color: rgb(204,  
255, 235) }
```

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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