

Converting Colors

XYZ(71.7815, 83.4886, 98.5301)

Have a look what the booklet for
XYZ(71.7815, 83.4886, 98.5301)
contains.

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Color

**XYZ(71.8988, 83.6332,
98.7395)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F5F5
RGB	196, 245, 245
RGB Percent	77%, 96%, 96%
CMY	0.2314, 0.0392, 0.0392
CMYK	0.20, 0.00, 0.00, 0.04
HSL	180°, 71%, 86%
HSV	180°, 20%, 96%
XYZ	71.8988, 83.6332, 98.7395
YIQ	230.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

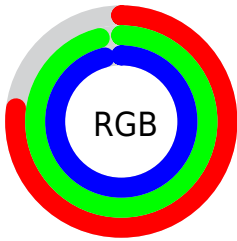
Format	Color
R_{YB}	196, 221, 245
Decimal	12908021
CIE Lab	93.29, -15.50, -5.15
CIE LCh	93, 16.336, 198.388
Yxy	83.6332, 0.2828, 0.3289
Android (android.graphics.Color)	4291098101 (0xFFC4F5F5)
YUV	230.3490, 7.2229, -30.1241
Hunter-Lab	91.4512, -19.7031, 0.0006

Details

The XYZ color **71.8988, 83.6332, 98.7395** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3629, 62.8802, 60.8148**, and the grayscale version is **75.4379, 79.3665, 86.4301**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **38.3674, 45.7320, 54.9491** is the 20% darker color. If you saturate the color by 10%, you get **66.0395, 80.6148, 98.4657**, and if you desaturate by 10%, it is **78.8036, 87.1949, 99.0658**.

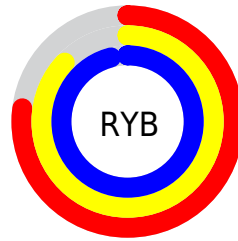
Distribution



Red (77%)

Green (96%)

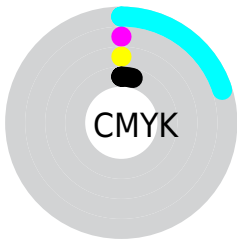
Blue (96%)



Red (77%)

Yellow (87%)

Blue (96%)

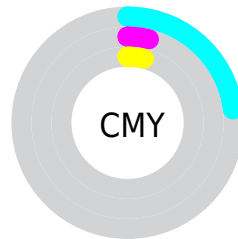


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (23%)

Magenta (4%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8988, 83.6332, 98.7395 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 71.8988, 83.6332, 98.7395 by changing the saturation by 10% instead.

71.8988, 83.6332,
98.7395

71.8988, 83.6332,
98.7395

456.3524,
507.0944, 577.3559

53.3612, 62.7126,
74.6373

120.9242,
138.4620, 161.4606

38.3198, 45.6088,
54.8158

152.1427,
173.1390, 200.9166

26.4093, 31.9372,
38.8567

188.3189,
213.1702, 246.3275

17.2644, 21.3135,
26.3413

229.8181,
258.9401, 298.1120

10.5197, 13.3534,
16.8511

277.0057,
310.8331, 356.6885

5.8097, 7.6723,
9.9675

330.2471,

2.7693, 3.8860,

369.2336, 422.4757

5.2721

389.9075,
434.5259, 495.8919

■ 1.0330, 1.6100,
2.3463

■ 0.0000, 0.3643,
0.7570

■ 71.8988, 83.6332,
98.7395

■ 71.8988, 83.6332,
98.7395

■ 66.0395, 80.6148,
98.4657

■ 78.8036, 87.1949,
99.0658

■ 61.1680, 78.1035,
98.2364

■ 86.7936, 91.3138,
99.4410

■ 57.2320, 76.0745,
98.0508

■ 90.3764, 93.1608,
99.6100

■ 54.1716, 74.4968,
97.9063

■ 90.3766, 93.1609,
99.6114

■ 51.9200, 73.3361,
97.7996

■ 90.3769, 93.1610,
99.6128

■ 50.4007, 72.5529,
97.7271

■ 90.3771, 93.1611,
99.6141

■ 49.5225, 72.1002,
97.6847

■ 90.3774, 93.1612,
99.6155

■ 49.1335, 71.8997,
97.6651

■ 90.3777, 93.1613,
99.6168

■ 90.3779, 93.1614,
99.6182

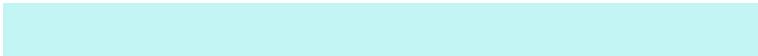
Harmonies

Analogous

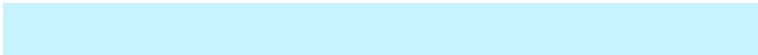
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6625, 83.6332, 86.3778



71.8988, 83.6332, 98.7395



74.1246, 83.6332, 109.9422

Triad

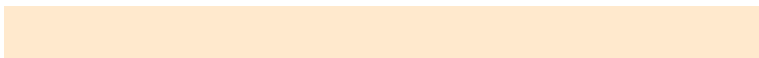
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8988, 83.6332, 98.7395



85.8354, 83.6332, 107.7132



81.1671, 83.6332, 69.7776

Complementary

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



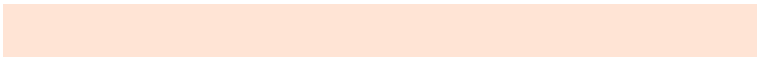
71.8988, 83.6332, 98.7395



67.3629, 62.8802, 60.8148

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.



85.1101, 83.6332, 74.4780



71.8988, 83.6332, 98.7395



87.8695, 83.6332, 95.9132

Square

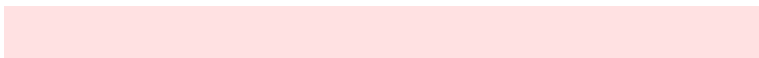
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8988, 83.6332, 98.7395



82.1281, 83.6332, 115.4365



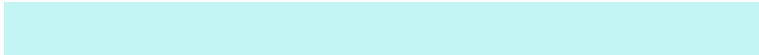
87.5994, 83.6332, 83.7938



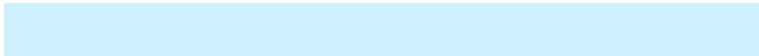
76.9106, 83.6332, 70.3860

Rectangle

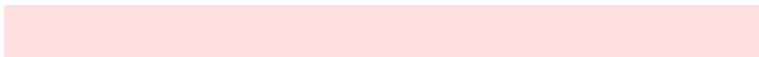
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



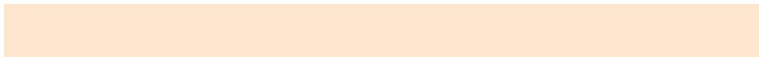
71.8988, 83.6332, 98.7395



76.4837, 83.6332, 114.9035



87.5994, 83.6332, 83.7938



82.5758, 83.6332, 70.7706

Sweetspot

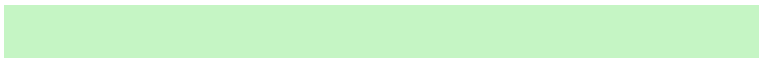
The Sweet Spot groups the original color and five complimentary colors.



71.9012, 83.6366, 98.7414



89.6432, 97.2127, 108.6461



65.5967, 81.1394, 64.4303



19.0671, 20.7455, 23.2491



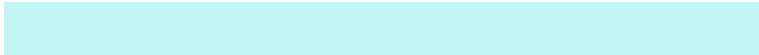
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



71.9012, 83.6366, 98.7414



76.0062, 90.1826, 108.0052



65.1890, 70.2113, 96.5065



16.9967, 18.7578, 21.2671



26.4680, 38.7321, 52.6119



2.3263, 3.4042, 4.6242

Inverse Universe

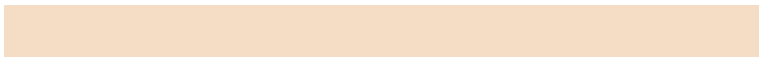
The Inverse Universe completely reimagines the original color for something new.



67.3629, 62.8802, 60.8148



70.2029, 63.6409, 59.5075



73.1332, 74.4213, 62.7363



16.4993, 16.4826, 17.1097



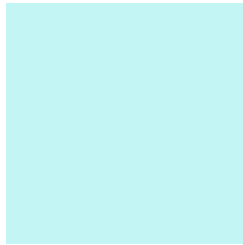
20.2862, 10.4579, 0.9497



1.7830, 0.9192, 0.0836

Previews

White Background



This preview shows how the XYZ color 71.8988, 83.6332, 98.7395 looks on a white background.

Color Contrast Check

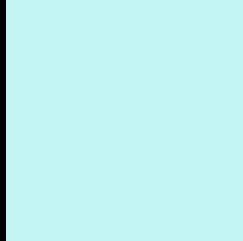
Large Text (above 18pt) WCAG AA × Fail

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 71.8988, 83.6332, 98.7395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

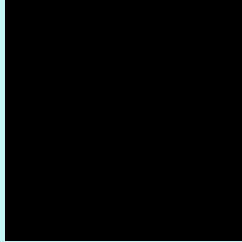
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.8988, 83.6332, 98.7395

Background



This preview shows how black text looks on a background with the XYZ color 71.8988, 83.6332, 98.7395.

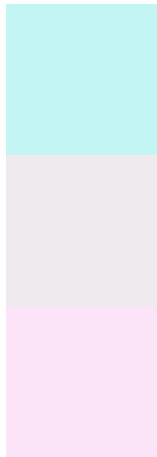


This preview shows how white text looks on a background with the XYZ color 71.8988, 83.6332,

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

71.8988, 83.6332, 98.7395

Protanopia

80.1153, 83.1958, 92.7248

Deuteranopia

84.8316, 82.9596, 100.3486



Tritanopia

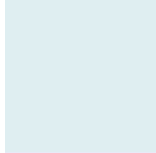
76.0836, 83.8322, 106.7789

Trichromacy



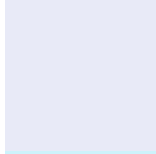
Original Color

71.8988, 83.6332, 98.7395



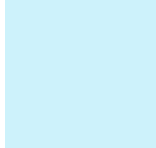
Protanomaly

76.8831, 83.1879, 95.2238



Deuteranomaly

79.4900, 82.7168, 99.7721



Tritanomaly

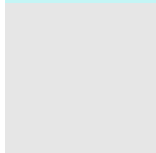
74.3416, 83.4484, 103.4557

Monochromacy



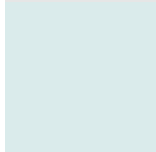
Original Color

71.8988, 83.6332, 98.7395



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.6172, 80.3202, 90.2206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8988, 83.6332, 98.7395 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(196, 245, 245)` looks like.

```
.text, #text, p{  
    color:rgb(196, 245, 245)  
}
```

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(196, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 245, 245) }
```

Border

The CSS property to change the border of an element to XYZ 71.8988, 83.6332, 98.7395 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(196, 245, 245) }
```


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

```
.border{ border-color:rgb(196, 245, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 245, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 245, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 245, 245); box-shadow:4px 4px 4px 4px rgb(196, 245, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8988, 83.6332, 98.7395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 245, 245) }
```

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

```
.background{ background-color: rgb(196,  
245, 245) }
```

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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