

Converting Colors

XYZ(58.0012, 66.3632, 77.3952)

Have a look what the booklet for
XYZ(58.0012, 66.3632, 77.3952)
contains.

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Color

**XYZ(58.0399, 66.4210,
77.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	B7DCDC
RGB	183, 220, 220
RGB Percent	72%, 86%, 86%
CMY	0.2823, 0.1372, 0.1372
CMYK	0.17, 0.00, 0.00, 0.14
HSL	180°, 35%, 79%
HSV	180°, 17%, 86%
XYZ	58.0399, 66.4210, 77.4716
YIQ	208.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

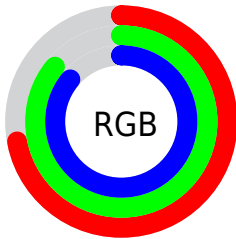
Format	Color
R _{YB}	183, 202, 220
Decimal	12049628
CIE _{Lab}	85.21, -12.06, -4.05
CIE _{LCh}	85, 12.719, 198.557
Y _{xy}	66.4210, 0.2874, 0.3289
Android (android.graphics.Color)	4290239708 (0xFFB7DCDC)
Y _{UV}	208.9370, 5.4541, -22.7467
Hunter-Lab	81.4991, -15.5039, 0.6893

Details

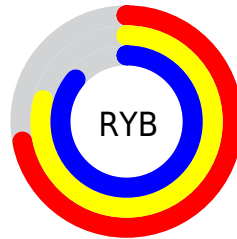
The XYZ color **58.0399, 66.4210, 77.4716** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9983, 52.5033, 52.0381**, and the grayscale version is **60.5407, 63.6935, 69.3622**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **29.2999, 34.2940, 40.6724** is the 20% darker color. If you saturate the color by 10%, you get **53.2109, 63.9333, 77.2457**, and if you desaturate by 10%, it is **63.6907, 69.3358, 77.7387**.

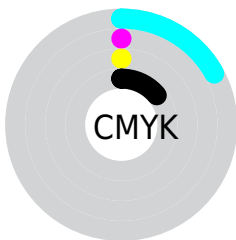
Distribution



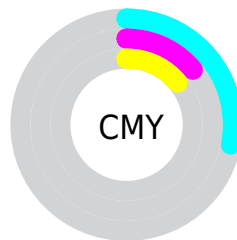
- Red (72%)
- Green (86%)
- Blue (86%)



- Red (72%)
- Yellow (79%)
- Blue (86%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (28%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0399, 66.4210, 77.4716 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 58.0399, 66.4210, 77.4716 by changing the saturation by 10% instead.

■ 58.0399, 66.4210,
77.4716

■ 58.0399, 66.4210,
77.4716

407.2861,
447.8810, 505.8508

■ 42.0841, 48.6142,
57.1261

■ 101.1036,
114.0904, 131.5841

■ 29.3586, 34.3136,
40.6965

128.9422,
144.7218, 166.1882

■ 19.4979, 23.1346,
27.7641

161.4725,
180.3968, 206.3822

■ 12.1367, 14.6929,
17.9104

199.0598,
221.5000, 252.5848

■ 6.9097, 8.6042,
10.7169

242.0694,
268.4156, 305.2143

■ 3.4515, 4.4839,
5.7650

290.8668,

■ 1.3968, 1.9478,

321.5280, 364.6895

2.6363

345.8172,
381.2217, 431.4288

■ 0.2539, 0.5769,
0.9111

■ 0.0000, 0.0000,
0.0000

■ 58.0399, 66.4210,
77.4716

■ 58.0399, 66.4210,
77.4716

■ 53.2109, 63.9333,
77.2457

■ 63.6907, 69.3358,
77.7387

■ 49.1600, 61.8451,
77.0549

■ 70.1929, 72.6878,
78.0443

■ 45.8483, 60.1379,
76.8986

■ 77.5818, 76.4969,
78.3914

■ 43.2312, 58.7887,
76.7748

■ 79.7539, 77.6166,
78.4944

41.2593, 57.7722,
76.6812

79.7541, 77.6167,
78.4957

39.8766, 57.0594,
76.6152

79.7544, 77.6168,
78.4970

39.0178, 56.6167,
76.5737

79.7546, 77.6169,
78.4983

38.5985, 56.4006,
76.5528

79.7548, 77.6170,
78.4996

38.5108, 56.3554,
76.5483

79.7551, 77.6171,
78.5009

Harmonies

Analogous

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



57.8724, 66.4210, 69.2291



58.0399, 66.4210, 77.4716



59.5466, 66.4210, 84.8349

Triad

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



58.0399, 66.4210, 77.4716



67.3615, 66.4210, 83.3009



64.2330, 66.4210, 57.9026

Complementary

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



58.0399, 66.4210, 77.4716



54.9983, 52.5033, 52.0381

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.



66.8568, 66.4210, 61.1028



58.0399, 66.4210, 77.4716



68.6992, 66.4210, 75.5040

Square

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



58.0399, 66.4210, 77.4716



64.9048, 66.4210, 88.3724



68.5118, 66.4210, 67.4042



61.3901, 66.4210, 58.3416

Rectangle

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



58.0399, 66.4210, 77.4716



61.1340, 66.4210, 88.0615



68.5118, 66.4210, 67.4042



65.1713, 66.4210, 58.5780

Sweetspot

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



58.0418, 66.4237, 77.4731



90.5136, 97.6614, 108.6868



53.8179, 64.7511, 54.4626



19.2425, 20.8359, 23.2573



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.



58.0418, 66.4237, 77.4731



78.7111, 91.5771, 108.1317



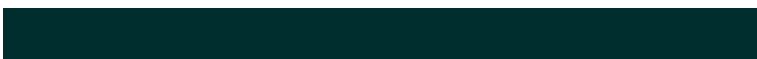
53.5965, 57.5325, 75.9934



13.4449, 14.8296, 16.8056



22.6006, 33.0728, 44.9234



1.4642, 2.1426, 2.9104

Inverse Universe

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



54.9983, 52.5033, 52.0381



73.7325, 68.8056, 66.5241



58.9243, 60.3558, 53.3451



13.0561, 13.0516, 13.5569



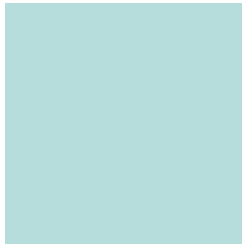
17.3223, 8.9299, 0.8111



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 58.0399, 66.4210, 77.4716 looks on a white background.

Color Contrast Check

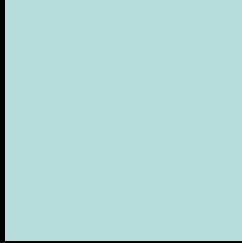
Large Text (above 18pt) WCAG AA × Fail

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 58.0399, 66.4210, 77.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

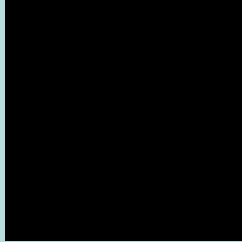
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0399, 66.4210, 77.4716

Background



This preview shows how black text looks on a background with the XYZ color 58.0399, 66.4210, 77.4716.



This preview shows how white text looks on a background with the XYZ color 58.0399, 66.4210,

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

58.0399, 66.4210, 77.4716

Protanopia

63.5843, 65.9419, 73.6668

Deuteranopia

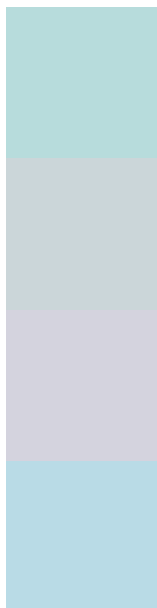
67.3855, 65.9643, 78.9928



Tritanopia

60.3165, 66.5801, 88.2695

Trichromacy



Original Color

58.0399, 66.4210, 77.4716

Protanomaly

61.1996, 65.7994, 75.1206

Deuteranomaly

63.6305, 65.8595, 78.4657

Tritanomaly

59.6220, 66.6905, 84.5930

Monochromacy



Original Color

58.0399, 66.4210, 77.4716

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.6239, 64.6720, 72.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0399, 66.4210, 77.4716 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(183, 220, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 220, 220)  
}
```

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(183, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 58.0399, 66.4210, 77.4716 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(183, 220, 220) }
```


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

```
.border{ border-color:rgb(183, 220, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 220, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 220, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 220, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 220,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0399, 66.4210, 77.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 220, 220) }
```

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

```
.background{ background-color: rgb(183,  
220, 220) }
```

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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