

Converting Colors

XYZ(46.5547, 57.8884, 67.8716)

Have a look what the booklet for
XYZ(46.5547, 57.8884, 67.8716)
contains.

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Color

**XYZ(46.5583, 58.0228,
67.7771)**

Conversions

Conversions Part 1

Format	Color
Hex	90D5CF
RGB	144, 213, 207
RGB Percent	56%, 84%, 81%
CMY	0.4353, 0.1647, 0.1882
CMYK	0.32, 0.00, 0.03, 0.16
HSL	175°, 45%, 70%
HSV	175°, 32%, 84%
XYZ	46.5583, 58.0228, 67.7771
YIQ	191.6850, -39.1980, -16.4940

Conversions

Conversions Part 2

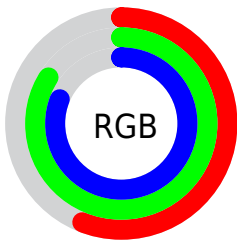
Format	Color
RYB	144, 180, 213
Decimal	9491919
CIELab	80.75, -22.89, -3.95
CIELCh	81, 23.226, 189.802
Yxy	58.0228, 0.2701, 0.3366
Android (android.graphics.Color)	4287681999 (0xFF90D5CF)
YUV	191.6850, 7.5503, -41.8197
Hunter-Lab	76.1727, -24.1994, 0.5657

Details

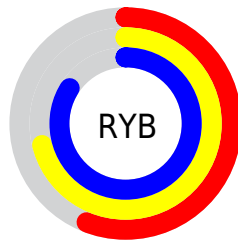
The XYZ color **46.5583, 58.0228, 67.7771** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.9208, 36.2962, 33.6000**, and the grayscale version is **49.8944, 52.4928, 57.1646**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **22.1931, 28.9273, 34.5508** is the 20% darker color. If you saturate the color by 10%, you get **42.9585, 56.1945, 66.4341**, and if you desaturate by 10%, it is **50.8660, 60.2186, 69.1696**.

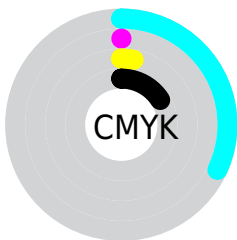
Distribution



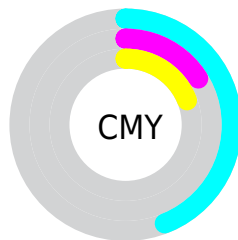
- Red (56%)
- Green (84%)
- Blue (81%)



- Red (56%)
- Yellow (71%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)





- Cyan (44%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5583, 58.0228, 67.7771 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 46.5583, 58.0228, 67.7771 by changing the saturation by 10% instead.


 46.5583, 58.0228,
67.7771

 46.5583, 58.0228,
67.7771


363.7271,
417.2709, 471.2825

 32.8931, 41.8270,
49.2509


 84.2767, 101.9561,
117.6844

 22.2034, 28.9658,
34.4515


 109.0606,
130.4623, 149.9026

 14.1239, 19.0550,
22.9605


138.2814,
163.8408, 187.5218

 8.2892, 11.7100,
14.3593

172.3045,
202.4759, 230.9606

 4.3339, 6.5465,
8.2294

211.4953,
246.7521, 280.6375

 1.8927, 3.1802,
4.1522

256.2191,

 0.5726, 1.2265,

297.0537, 336.9711

1.7092

306.8412,
353.7652, 400.3799

■ 0.0000, 0.0832,
0.3670

■ 0.0000, 0.0000,
0.0000

■ 46.5583, 58.0228,
67.7771

■ 46.5583, 58.0228,
67.7771

■ 42.9585, 56.1945,
66.4341

■ 50.8660, 60.2186,
69.1696

■ 40.0220, 54.7064,
65.1348

■ 55.9131, 62.7939,
70.6094

■ 37.7069, 53.5383,
63.8783

■ 61.7351, 65.7683,
72.0994

■ 35.9645, 52.6652,
62.6623

■ 68.3640, 69.1584,
73.6412

■ 34.7390, 52.0583,
61.4843

■ 75.8298, 72.9795,
75.2362

■ 33.9630, 51.6827,
60.3409

■ 77.7058, 73.9187,
76.5837

■ 33.5863, 51.5069,
59.4904

■ 77.9499, 74.0164,
77.8691

■ 78.1967, 74.1151,
79.1687

■ 78.4462, 74.2149,
80.4827

Harmonies

Analogous

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



46.9453, 58.0228, 54.4968



46.5583, 58.0228, 67.7771



48.3685, 58.0228, 81.6202

Triad

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



46.5583, 58.0228, 67.7771



61.2602, 58.0228, 85.6966



58.3918, 58.0228, 41.5058

Complementary

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



46.5583, 58.0228, 67.7771



42.9208, 36.2962, 33.6000

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.



62.5351, 58.0228, 47.7450



46.5583, 58.0228, 67.7771



64.2565, 58.0228, 72.7331

Square

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



46.5583, 58.0228, 67.7771



56.7326, 58.0228, 92.9118



64.7362, 58.0228, 58.7898



53.5950, 58.0228, 40.5776

Rectangle

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



46.5583, 58.0228, 67.7771



50.6429, 58.0228, 88.8399



64.7362, 58.0228, 58.7898



59.9146, 58.0228, 43.0035

Sweetspot

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



46.5600, 58.0251, 67.7784



85.9277, 95.3383, 106.6195



41.5740, 56.1742, 35.0381



18.1385, 20.2768, 22.7537



0.0000, 0.0000, 0.0000



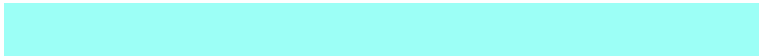
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5600, 58.0251, 67.7784



66.0715, 85.2184, 100.4361



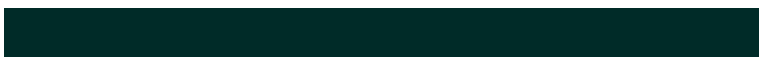
40.9463, 45.6008, 69.5972



12.7434, 14.0884, 15.7293



20.5343, 31.4691, 36.4388



1.2525, 1.9037, 2.2716

Inverse Universe

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



42.9208, 36.2962, 33.6000



59.7721, 47.5738, 41.2497



47.1531, 45.5147, 32.6866



12.4667, 12.4382, 13.1318



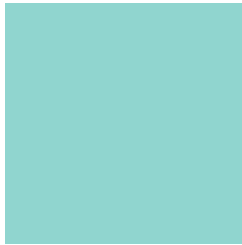
16.8472, 8.6752, 1.2334



1.0317, 0.5295, 0.1561

Previews

White Background



This preview shows how the XYZ color 46.5583, 58.0228, 67.7771 looks on a white background.

Color Contrast Check

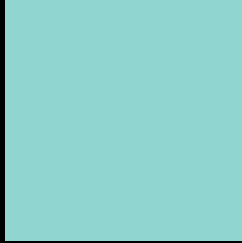
Large Text (above 18pt) WCAG AA × Fail

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 46.5583, 58.0228, 67.7771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

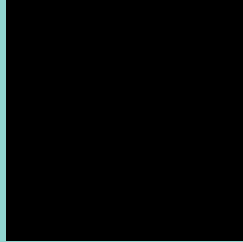
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

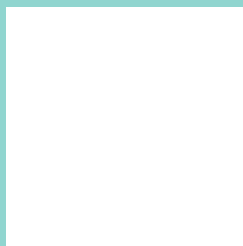
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.5583, 58.0228, 67.7771

Background



This preview shows how black text looks on a background with the XYZ color 46.5583, 58.0228, 67.7771.



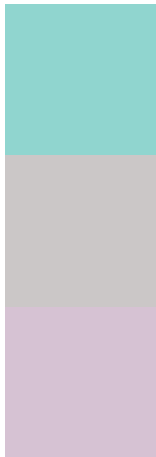
This preview shows how white text looks on a background with the XYZ color 46.5583, 58.0228,

67.7771.

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

46.5583, 58.0228, 67.7771

Protanopia

55.3608, 57.6669, 62.2458

Deuteranopia

58.7812, 57.5829, 69.6445



Tritanopia

49.3061, 58.0288, 81.2750

Trichromacy



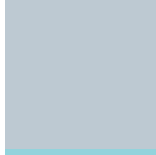
Original Color

46.5583, 58.0228, 67.7771



Protanomaly

51.5449, 57.3951, 64.2388



Deuteranomaly

53.5058, 57.2452, 69.2021



Tritanomaly

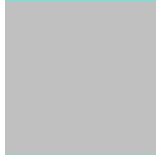
48.2452, 57.9589, 76.3545

Monochromacy



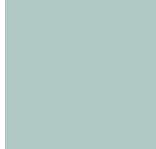
Original Color

46.5583, 58.0228, 67.7771



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.4115, 54.4537, 60.7824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5583, 58.0228, 67.7771 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(144, 213, 207)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 207)  
}
```

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(144, 213, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 207) }
```

Border

The CSS property to change the border of an element to XYZ 46.5583, 58.0228, 67.7771 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(144, 213, 207) }
```


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

```
.border{ border-color:rgb(144, 213, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 213, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 207);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5583, 58.0228, 67.7771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 207) }
```

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

```
.background{ background-color: rgb(144,  
213, 207) }
```

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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