

Converting Colors

XYZ(45.6571, 57.6021, 72.8709)

Have a look what the booklet for
XYZ(45.6571, 57.6021, 72.8709)
contains.

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Color

**XYZ(45.5757, 57.4003,
72.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	84D5D7
RGB	132, 213, 215
RGB Percent	52%, 84%, 84%
CMY	0.4823, 0.1647, 0.1569
CMYK	0.39, 0.01, 0.00, 0.16
HSL	181°, 51%, 68%
HSV	181°, 39%, 84%
XYZ	45.5757, 57.4003, 72.9673
YIQ	189.0090, -48.9180, -16.5500

Conversions

Conversions Part 2

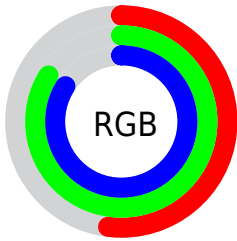
Format	Color
RYB	132, 173, 215
Decimal	8705495
CIELab	80.40, -24.18, -8.81
CIElCh	80, 25.736, 200.007
Yxy	57.4003, 0.2590, 0.3262
Android (android.graphics.Color)	4286895575 (0xFF84D5D7)
YUV	189.0090, 12.8136, -49.9969
Hunter-Lab	75.7630, -25.2074, -4.0681

Details

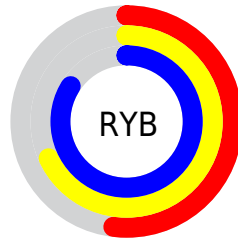
The XYZ color **45.5757, 57.4003, 72.9673** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.7152, 33.1639, 26.0864**, and the grayscale version is **48.3254, 50.8421, 55.3670**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **21.5525, 28.5283, 37.6283** is the 20% darker color. If you saturate the color by 10%, you get **42.4244, 55.5842, 72.7838**, and if you desaturate by 10%, it is **49.4237, 59.5789, 73.1860**.

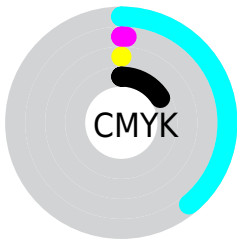
Distribution



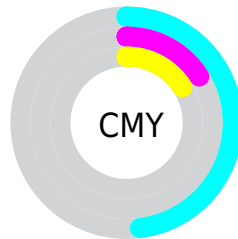
- Red (52%)
- Green (84%)
- Blue (84%)



- Red (52%)
- Yellow (68%)
- Blue (84%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (48%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5757, 57.4003, 72.9673 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 45.5757, 57.4003, 72.9673 by changing the saturation by 10% instead.

■ 45.5757, 57.4003,
72.9673

■ 45.5757, 57.4003,
72.9673

359.8448,
414.9476, 489.9692

■ 32.1143, 41.3267,
53.4576

■ 82.8154, 101.0490,
125.1513

■ 21.6048, 28.5745,
37.7779

■ 107.3244,
129.3930, 158.6626

■ 13.6818, 18.7591,
25.5099

■ 136.2467,
162.5958, 197.6782

■ 7.9799, 11.4964,
16.2349

169.9477,
201.0420, 242.6166

■ 4.1338, 6.4017,
9.5344

208.7926,
245.1159, 293.8964

■ 1.7781, 3.0909,
4.9898

253.1468,

■ 0.5044, 1.1794,

295.2018, 351.9360

2.1826

303.3758,
351.6843, 417.1541

■ 0.0000, 0.0447,
0.6643

■ 0.0000, 0.0000,
0.0000

■ 45.5757, 57.4003,
72.9673

■ 45.5757, 57.4003,
72.9673

■ 42.4244, 55.5842,
72.7838

■ 49.4237, 59.5789,
73.1860

■ 39.9217, 54.1017,
72.6296


■ 54.0024, 62.1335,
73.4378


■ 38.0218, 52.9305,
72.5037


■ 59.3498, 65.0851,
73.7256


■ 36.6706, 52.0428,
72.4035


■ 65.4999, 68.4509,
74.0512


 35.8041, 51.4057,
72.3262


 72.4844, 72.2476,
74.4159


 35.3251, 50.9688,
72.2672

 78.0897, 75.3339,
74.7161

 35.2697, 50.9138,
72.2595

 78.2226, 75.5997,
74.7604

 78.3559, 75.8663,
74.8049

 78.4896, 76.1338,
74.8495

Harmonies

Analogous

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



45.1707, 57.4003, 57.5956



45.5757, 57.4003, 72.9673



48.2982, 57.4003, 87.4834

Triad

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



45.5757, 57.4003, 72.9673



62.6977, 57.4003, 83.0757



56.3353, 57.4003, 38.0464

Complementary

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



45.5757, 57.4003, 72.9673



40.7152, 33.1639, 26.0864

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.



61.3349, 57.4003, 42.7916



45.5757, 57.4003, 72.9673



65.1617, 57.4003, 67.6734

Square

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



45.5757, 57.4003, 72.9673



58.0995, 57.4003, 93.9398



64.6475, 57.4003, 53.0834



51.1620, 57.4003, 38.9963

Rectangle

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



45.5757, 57.4003, 72.9673



51.1643, 57.4003, 93.9431



64.6475, 57.4003, 53.0834



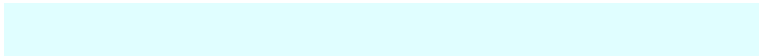
58.0970, 57.4003, 38.9945

Sweetspot

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



45.5774, 57.4026, 72.9686



84.4401, 94.1822, 108.3363



38.0775, 55.2117, 30.9807



17.8488, 20.0349, 23.1763



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.



45.5774, 57.4026, 72.9686



63.3475, 82.3294, 107.1601



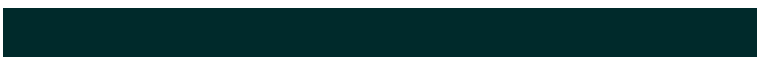
36.5575, 39.3627, 69.9620



12.7654, 14.0542, 15.9774



21.1071, 30.4759, 43.2231



1.2814, 1.8548, 2.6098

Inverse Universe

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



48.2872, 35.7551, 67.3097



67.8842, 46.3905, 97.6185



47.4977, 46.7289, 28.3473



12.9395, 12.6273, 15.6218



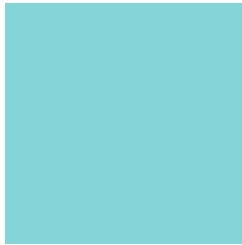
23.7127, 11.4214, 37.3869



1.4344, 0.6906, 2.2770

Previews

White Background



This preview shows how the XYZ color 45.5757, 57.4003, 72.9673 looks on a white background.

Color Contrast Check

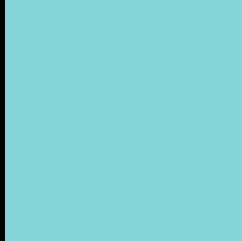
Large Text (above 18pt) WCAG AA × Fail

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 45.5757, 57.4003, 72.9673 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 45.5757, 57.4003, 72.9673

Background



This preview shows how black text looks on a background with the XYZ color 45.5757, 57.4003, 72.9673.

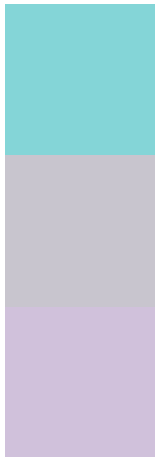


This preview shows how white text looks on a background with the XYZ color 45.5757, 57.4003,

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

45.5757, 57.4003, 72.9673

Protanopia

54.9262, 56.6681, 66.4356

Deuteranopia

57.8686, 56.6643, 74.9051



Tritanopia

47.4512, 57.4242, 81.9818

Trichromacy



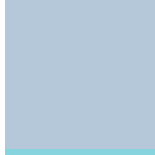
Original Color

45.5757, 57.4003, 72.9673



Protanomaly

50.5438, 56.4293, 68.5496



Deuteranomaly

52.1316, 56.0738, 74.4054



Tritanomaly

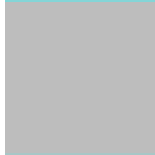
46.8544, 57.5656, 78.4538

Monochromacy



Original Color

45.5757, 57.4003, 72.9673



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.5356, 52.7902, 61.1629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5757, 57.4003, 72.9673 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(132, 213, 215)` looks like.

```
.text, #text, p{  
    color:rgb(132, 213, 215)  
}
```

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(132, 213, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 213, 215) }
```

Border

The CSS property to change the border of an element to XYZ 45.5757, 57.4003, 72.9673 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(132, 213, 215) }
```


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

```
.border{ border-color:rgb(132, 213, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 213, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 213, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 213, 215);  
box-shadow:4px 4px 4px 4px rgb(132, 213,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5757, 57.4003, 72.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 213, 215) }
```

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

```
.background{ background-color: rgb(132,  
213, 215) }
```

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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