

Converting Colors

XYZ(45.7261, 58.9143, 72.3471)

Have a look what the booklet for
XYZ(45.7261, 58.9143, 72.3471)
contains.

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Color

**XYZ(45.8525, 59.0699,
72.6033)**

Conversions

Conversions Part 1

Format	Color
Hex	80D9D6
RGB	128, 217, 214
RGB Percent	50%, 85%, 84%
CMY	0.4980, 0.1490, 0.1608
CMYK	0.41, 0.00, 0.01, 0.15
HSL	178°, 54%, 68%
HSV	178°, 41%, 85%
XYZ	45.8525, 59.0699, 72.6033
YIQ	190.0470, -52.0810, -19.8010

Conversions

Conversions Part 2

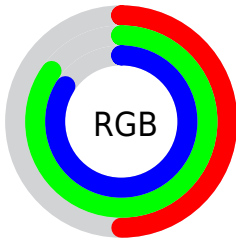
Format	Color
RYB	128, 173, 217
Decimal	8444374
CIELab	81.33, -27.38, -6.92
CIELCh	81, 28.243, 194.178
Yxy	59.0699, 0.2583, 0.3327
Android (android.graphics.Color)	4286634454 (0xFF80D9D6)
YUV	190.0470, 11.8088, -54.4152
Hunter-Lab	76.8569, -28.0074, -2.2087

Details

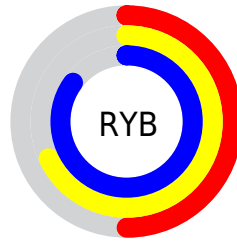
The XYZ color **45.8525, 59.0699, 72.6033** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.4331, 31.8304, 25.4876**, and the grayscale version is **48.9276, 51.4757, 56.0570**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **21.7769, 29.6835, 37.3826** is the 20% darker color. If you saturate the color by 10%, you get **42.8383, 57.5282, 71.9766**, and if you desaturate by 10%, it is **49.5686, 60.9762, 73.2677**.

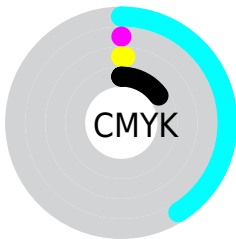
Distribution



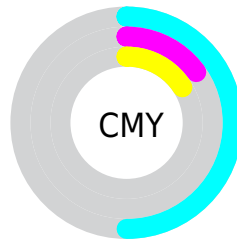
- Red (50%)
- Green (85%)
- Blue (84%)



- Red (50%)
- Yellow (68%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)



- Cyan (50%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8525, 59.0699, 72.6033 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 45.8525, 59.0699, 72.6033 by changing the saturation by 10% instead.

45.8525, 59.0699,
72.6033

45.8525, 59.0699,
72.6033

360.9412,
421.1609, 488.6726

32.3336, 42.6694,
53.1618

83.2274, 103.4792,
124.6296

21.7732, 29.6258,
37.5433

107.8141,
132.2569, 158.0514

13.8060, 19.5547,
25.3294

136.8208,
165.9290, 196.9705

8.0667, 12.0718,
16.1014

170.6128,
204.8800, 241.8053

4.1898, 6.7926,
9.4408

209.5555,
249.4943, 292.9743

1.8101, 3.3327,
4.9291

254.0142,

0.5237, 1.3078,

300.1563, 350.8962

2.1477

304.3543,
357.2504, 415.9895

■ 0.0000, 0.1472,
0.6439

■ 0.0000, 0.0000,
0.0000

■ 45.8525, 59.0699,
72.6033

■ 45.8525, 59.0699,
72.6033

■ 42.8383, 57.5282,
71.9766

■ 49.5686, 60.9762,
73.2677

■ 40.4758, 56.3210,
71.3812

■ 54.0223, 63.2613,
73.9675

■ 38.7166, 55.4248,
70.8163

■ 59.2531, 65.9469,
74.7058

■ 37.5034, 54.8101,
70.2791

■ 65.2962, 69.0513,
75.4844

■ 36.7677, 54.4414,
69.7665

■ 72.1846, 72.5914,
76.3047

■ 36.4073, 54.2650,
69.3217

■ 78.7603, 75.9702,
77.1126

■ 78.8565, 76.0087,
77.6195

■ 78.9532, 76.0474,
78.1286

■ 79.0503, 76.0862,
78.6400

Harmonies

Analogous

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



45.9261, 59.0699, 55.8630



45.8525, 59.0699, 72.6033



48.3984, 59.0699, 89.7058

Triad

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



45.8525, 59.0699, 72.6033



64.4227, 59.0699, 90.5311



59.2929, 59.0699, 37.8595

Complementary

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



45.8525, 59.0699, 72.6033



40.4331, 31.8304, 25.4876

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.



64.6752, 59.0699, 44.2369



45.8525, 59.0699, 72.6033



67.7754, 59.0699, 73.5838

Square

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



45.8525, 59.0699, 72.6033



58.9675, 59.0699, 101.2190



67.8709, 59.0699, 56.6866



53.4125, 59.0699, 37.6903

Rectangle

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



45.8525, 59.0699, 72.6033



51.3485, 59.0699, 98.2006



67.8709, 59.0699, 56.6866



61.2295, 59.0699, 39.2905

Sweetspot

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



45.8542, 59.0722, 72.6047



84.5088, 94.5850, 107.5415



38.2971, 56.1284, 29.2387



17.8652, 20.1305, 22.9878



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.



45.8542, 59.0722, 72.6047



62.3523, 83.2213, 103.8663



37.1405, 41.0254, 71.6094



13.4249, 14.8216, 16.7005



22.0465, 32.8512, 42.0057



1.4344, 2.1307, 2.7533

Inverse Universe

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



40.4331, 31.8304, 25.4876



53.5509, 38.9672, 27.3502



46.5254, 44.3360, 26.5289



13.0738, 13.0586, 13.6496



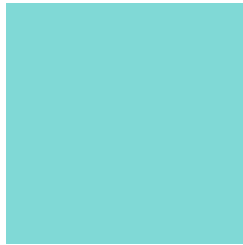
17.3542, 8.9427, 0.9794



1.1307, 0.5819, 0.0972

Previews

White Background



This preview shows how the XYZ color 45.8525, 59.0699, 72.6033 looks on a white background.

Color Contrast Check

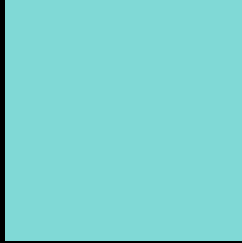
Large Text (above 18pt) WCAG AA × Fail

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 45.8525, 59.0699, 72.6033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

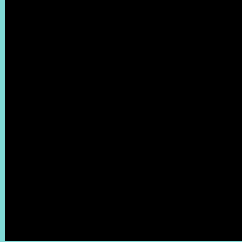
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8525, 59.0699, 72.6033

Background



This preview shows how black text looks on a background with the XYZ color 45.8525, 59.0699, 72.6033.

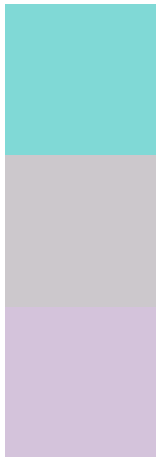


This preview shows how white text looks on a background with the XYZ color 45.8525, 59.0699,

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

45.8525, 59.0699, 72.6033

Protanopia

56.4552, 58.5056, 65.4439

Deuteranopia

59.4527, 58.1417, 75.1068



Tritanopia

48.2849, 58.9059, 85.1690

Trichromacy



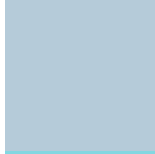
Original Color

45.8525, 59.0699, 72.6033



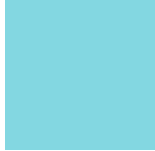
Protanomaly

51.3610, 57.9268, 68.1485



Deuteranomaly

52.9364, 57.5454, 73.9630



Tritanomaly

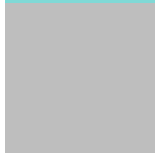
47.2511, 58.8624, 80.1053

Monochromacy



Original Color

45.8525, 59.0699, 72.6033



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.8994, 53.6476, 61.9160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8525, 59.0699, 72.6033 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(128, 217, 214)` looks like.

```
.text, #text, p{  
    color:rgb(128, 217, 214)  
}
```

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(128, 217, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 217, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.8525, 59.0699, 72.6033 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(128, 217, 214) }
```


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

```
.border{ border-color:rgb(128, 217, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 217, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 217, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 217, 214);  
box-shadow:4px 4px 4px 4px rgb(128, 217,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8525, 59.0699, 72.6033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 217, 214) }
```

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

```
.background{ background-color: rgb(128,  
217, 214) }
```

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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