

Converting Colors

XYZ(46.5009, 60.1591, 73.4544)

Have a look what the booklet for
XYZ(46.5009, 60.1591, 73.4544)
contains.

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Color

**XYZ(46.4993, 60.1585,
73.4510)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 80DBD7 |
| RGB | 128, 219, 215 |
| RGB Percent | 50%, 86%, 84% |
| CMY | 0.4980, 0.1412, 0.1569 |
| CMYK | 0.42, 0.00, 0.02, 0.14 |
| HSL | 177°, 56%, 68% |
| HSV | 177°, 42%, 86% |
| XYZ | 46.4993, 60.1585, 73.4510 |
| YIQ | 191.3350, -52.9520, -20.5360 |

Conversions

Conversions Part 2

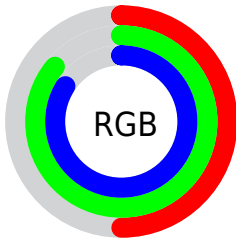
| Format | Color |
|-------------------------------------|---|
| RYB | 128, 175, 219 |
| Decimal | 8444887 |
| CIELab | 81.92, -28.11, -6.57 |
| CIELCh | 82, 28.866, 193.156 |
| Yxy | 60.1585, 0.2582, 0.3340 |
| Android (android.graphics.Color) | 4286634967 (0xFF80DBD7) |
| YUV | 191.3350, 11.6668, -55.5448 |
| Hunter-Lab | 77.5619, -28.7204, -1.8542 |

Details

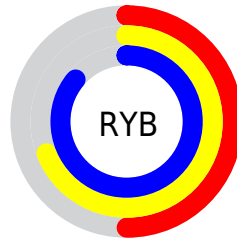
The XYZ color **46.4993, 60.1585, 73.4510** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.0994, 32.1660, 25.8743**, and the grayscale version is **49.6735, 52.2604, 56.9116**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **22.2192, 30.4286, 37.9599** is the 20% darker color. If you saturate the color by 10%, you get **43.4311, 58.5925, 72.6645**, and if you desaturate by 10%, it is **50.2826, 62.0960, 74.2774**.

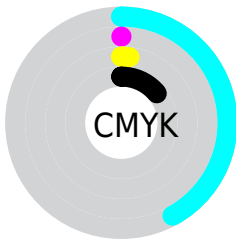
Distribution



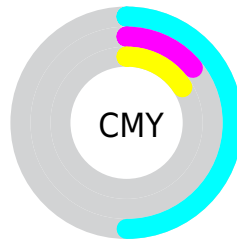
- Red (50%)
- Green (86%)
- Blue (84%)



- Red (50%)
- Yellow (69%)
- Blue (86%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)




- Cyan (50%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4993, 60.1585, 73.4510 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 46.4993, 60.1585, 73.4510 by changing the saturation by 10% instead.


 46.4993, 60.1585,
73.4510


 46.4993, 60.1585,
73.4510


363.4948,
425.1818, 491.6890


 32.8463, 43.5464,
53.8508


 84.1891, 105.0596,
125.8441

 22.1674, 30.3141,
38.0900


 108.9565,
134.1173, 159.4740

 14.0972, 20.0771,
25.7502


 138.1595,
168.0924, 198.6176

 8.2705, 12.4511,
16.4127

172.1634,
207.3692, 243.6934

 4.3218, 7.0517,
9.6592

211.3335,
252.3322, 295.1199

 1.8857, 3.4944,
5.0709

256.0352,

 0.5685, 1.3950,

303.3656, 353.3156

2.2295

306.6338,
360.8540, 418.6992

■ 0.0000, 0.2130,
0.6913

■ 0.0000, 0.0000,
0.0000

■ 46.4993, 60.1585,
73.4510

■ 46.4993, 60.1585,
73.4510

■ 43.4311, 58.5925,
72.6645

■ 50.2826, 62.0960,
74.2774

■ 41.0266, 57.3671,
71.9115


■ 54.8178, 64.4196,
75.1415


■ 39.2359, 56.4581,
71.1910


■ 60.1455, 67.1516,
76.0465


■ 37.9998, 55.8349,
70.5003


■ 66.3019, 70.3107,
76.9942


 37.2475, 55.4609,
69.8360


 73.3207, 73.9143,
77.9860

 36.8873, 55.2869,
69.2906

 79.5944, 77.1338,
78.9468

 79.7230, 77.1852,
79.6238

 79.8523, 77.2369,
80.3047

 79.9824, 77.2890,
80.9895

Harmonies

Analogous

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



46.6697, 60.1585, 56.2415



46.4993, 60.1585, 73.4510



49.0408, 60.1585, 91.2751

Triad

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



46.4993, 60.1585, 73.4510



65.5842, 60.1585, 93.1954



60.6459, 60.1585, 38.3211

Complementary

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



46.4993, 60.1585, 73.4510



41.0994, 32.1660, 25.8743

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.



66.1708, 60.1585, 45.1046



46.4993, 60.1585, 73.4510



69.1579, 60.1585, 75.7279

Square

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



46.4993, 60.1585, 73.4510



59.8908, 60.1585, 103.9671



69.3799, 60.1585, 58.1489



54.5500, 60.1585, 37.9311

Rectangle

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



46.4993, 60.1585, 73.4510



52.0434, 60.1585, 100.2852



69.3799, 60.1585, 58.1489



62.6415, 60.1585, 39.8656

Sweetspot

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



46.5011, 60.1609, 73.4524



84.4586, 94.5649, 107.2773



38.8315, 57.1739, 29.4123



17.8533, 20.1257, 22.9251



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.



46.5011, 60.1609, 73.4524



61.7472, 82.9346, 102.6974



37.6204, 41.5663, 73.0608



13.4188, 14.8192, 16.6685



21.8826, 32.7857, 41.1426



1.4255, 2.1271, 2.7066

Inverse Universe

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



41.0994, 32.1660, 25.8743



53.1352, 38.2647, 26.8145



47.2904, 44.9779, 26.6124



13.0791, 13.0608, 13.6780



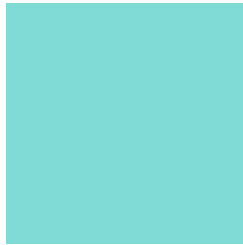
17.3640, 8.9466, 1.0307



1.1333, 0.5829, 0.1108

Previews

White Background



This preview shows how the XYZ color 46.4993, 60.1585, 73.4510 looks on a white background.

Color Contrast Check

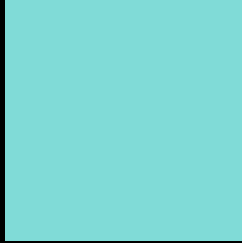
Large Text (above 18pt) WCAG AA × Fail

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 46.4993, 60.1585, 73.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

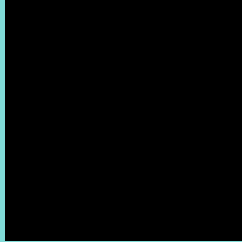
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4993, 60.1585, 73.4510

Background



This preview shows how black text looks on a background with the XYZ color 46.4993, 60.1585, 73.4510.

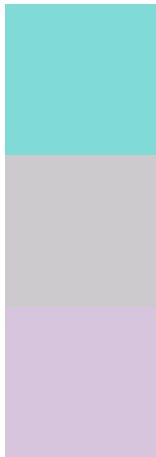


This preview shows how white text looks on a background with the XYZ color 46.4993, 60.1585,

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

46.4993, 60.1585, 73.4510

Protanopia

57.3168, 59.6280, 66.2460

Deuteranopia

60.6161, 59.3960, 75.9799



Tritanopia

49.0800, 60.0388, 86.8438

Trichromacy



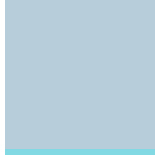
Original Color

46.4993, 60.1585, 73.4510



Protanomaly

52.1960, 59.0623, 68.9707



Deuteranomaly

54.0146, 58.7919, 74.8308



Tritanomaly

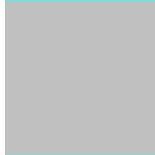
48.0381, 59.9971, 81.7218

Monochromacy



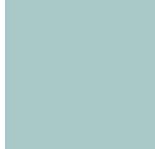
Original Color

46.4993, 60.1585, 73.4510



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.4604, 54.2683, 62.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4993, 60.1585, 73.4510 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, 219, 215)` looks like.

```
.text, #text, p{  
    color:rgb(128, 219, 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(128, 219, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 219, 215) }
```

Border

The CSS property to change the border of an element to XYZ 46.4993, 60.1585, 73.4510 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, 219, 215) }
```


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

```
.border{ border-color:rgb(128, 219, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 219, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 219, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 219, 215);  
box-shadow:4px 4px 4px 4px rgb(128, 219,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4993, 60.1585, 73.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 219, 215) }
```

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

```
.background{ background-color: rgb(128,  
219, 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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