

Converting Colors

XYZ(46.0717, 59.9345, 75.3465)

Have a look what the booklet for
XYZ(46.0717, 59.9345, 75.3465)
contains.

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Color

**XYZ(46.0124, 59.8626,
75.4592)**

Conversions

Conversions Part 1

Format	Color
Hex	7ADBDA
RGB	122, 219, 218
RGB Percent	48%, 86%, 85%
CMY	0.5216, 0.1412, 0.1451
CMYK	0.44, 0.00, 0.00, 0.14
HSL	179°, 57%, 67%
HSV	179°, 44%, 86%
XYZ	46.0124, 59.8626, 75.4592
YIQ	189.8830, -57.4910, -20.8750

Conversions

Conversions Part 2

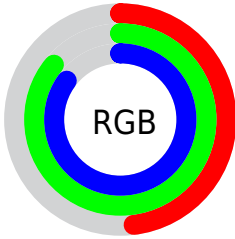
Format	Color
RYB	122, 171, 219
Decimal	8051674
CIELab	81.76, -28.80, -8.43
CIELCh	82, 30.005, 196.321
Yxy	59.8626, 0.2537, 0.3301
Android (android.graphics.Color)	4286241754 (0xFF7ADBDA)
YUV	189.8830, 13.8617, -59.5334
Hunter-Lab	77.3709, -29.2454, -3.6654

Details

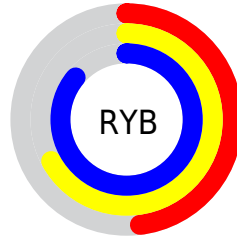
The XYZ color **46.0124, 59.8626, 75.4592** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.7501, 30.4108, 22.5157**, and the grayscale version is **48.8242, 51.3668, 55.9385**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **21.9362, 30.2520, 39.3334** is the 20% darker color. If you saturate the color by 10%, you get **43.2250, 58.4305, 75.1756**, and if you desaturate by 10%, it is **49.5021, 61.6596, 75.7785**.

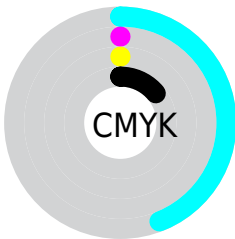
Distribution



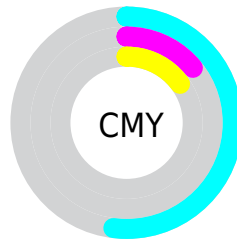
- Red (48%)
- Green (86%)
- Blue (85%)



- Red (48%)
- Yellow (67%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)





- Cyan (52%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0124, 59.8626, 75.4592 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 46.0124, 59.8626, 75.4592 by changing the saturation by 10% instead.


 46.0124, 59.8626,
75.4592


 46.0124, 59.8626,
75.4592


361.5736,
424.0911, 498.7919


 32.4603, 43.3079,
55.4852


 83.4653, 104.6303,
128.7152

 21.8706, 30.1268,
39.3891


 108.0968,
133.6121, 162.8343

 13.8779, 19.9348,
26.7524


 137.1521,
167.5051, 202.5055

 8.1169, 12.3477,
17.1566

170.9966,
206.6936, 248.1473

 4.2223, 6.9809,
10.1830

209.9957,
251.5621, 300.1784

 1.8286, 3.4502,
5.4133

254.5146,

 0.5348, 1.3710,

302.4949, 359.0171

2.4288

304.9188,
359.8765, 425.0821

■ 0.0000, 0.1952,
0.8021

■ 0.0000, 0.0000,
0.0000

■ 46.0124, 59.8626,
75.4592

■ 46.0124, 59.8626,
75.4592

■ 43.2250, 58.4305,
75.1756

■ 49.5021, 61.6596,
75.7785

■ 41.0870, 57.3317,
74.9212


■ 53.7319, 63.8367,
76.1314


■ 39.5468, 56.5411,
74.6950


■ 58.7431, 66.4166,
76.5211


■ 38.5425, 56.0268,
74.4942


■ 64.5725, 69.4184,
76.9492


 37.9987, 55.7499,
74.3151


 71.2547, 72.8597,
77.4175

 37.8232, 55.6613,
74.2192

 78.8221, 76.7574,
77.9274

 79.4360, 77.0704,
78.1122

 79.4659, 77.0824,
78.2698

 79.4959, 77.0944,
78.4276

Harmonies

Analogous

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



45.8866, 59.8626, 57.2904



46.0124, 59.8626, 75.4592



48.9099, 59.8626, 93.7337

Triad

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



46.0124, 59.8626, 75.4592



66.1479, 59.8626, 92.2954



59.8205, 59.8626, 36.8720

Complementary

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



46.0124, 59.8626, 75.4592



39.7501, 30.4108, 22.5157

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.



65.7108, 59.8626, 43.1083



46.0124, 59.8626, 75.4592



69.5426, 59.8626, 73.7631

Square

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



46.0124, 59.8626, 75.4592



60.3818, 59.8626, 104.6170



69.3769, 59.8626, 55.8798



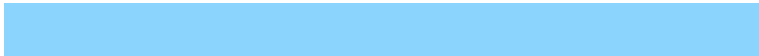
53.5501, 59.8626, 37.1569

Rectangle

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



46.0124, 59.8626, 75.4592



52.1547, 59.8626, 102.5365



69.3769, 59.8626, 55.8798



61.9197, 59.8626, 38.2172

Sweetspot

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



46.0142, 59.8649, 75.4606



83.8332, 94.2239, 108.0874



37.1030, 56.3271, 27.3302



17.5792, 19.9801, 23.1077



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.



46.0142, 59.8649, 75.4606



61.3109, 82.6327, 106.1516



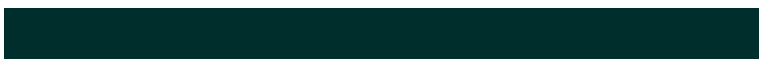
35.5887, 38.8034, 72.6346



13.4388, 14.8271, 16.7736



22.4292, 33.0043, 44.0210



1.4550, 2.1389, 2.8620

Inverse Universe

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



39.7501, 30.4108, 22.5157



51.4048, 36.0434, 22.4163



46.8946, 44.7998, 24.5892



13.0615, 13.0537, 13.5851



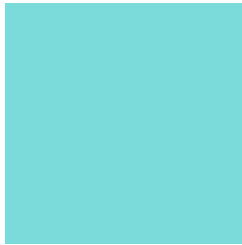
17.3320, 8.9338, 0.8624



1.1248, 0.5796, 0.0662

Previews

White Background



This preview shows how the XYZ color 46.0124, 59.8626, 75.4592 looks on a white background.

Color Contrast Check

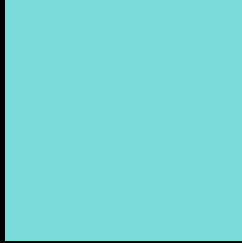
Large Text (above 18pt) WCAG AA × Fail

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 46.0124, 59.8626, 75.4592 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

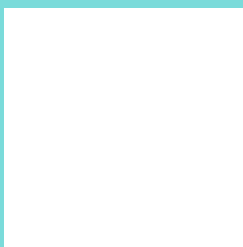
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0124, 59.8626, 75.4592

Background



This preview shows how black text looks on a background with the XYZ color 46.0124, 59.8626, 75.4592.



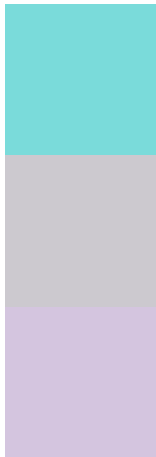
This preview shows how white text looks on a background with the XYZ color 46.0124, 59.8626,

75.4592.

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

46.0124, 59.8626, 75.4592

Protanopia

57.0510, 59.1157, 67.4350

Deuteranopia

60.4369, 59.2573, 78.0645



Tritanopia

48.4165, 60.0782, 86.8863

Trichromacy



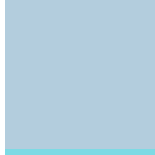
Original Color

46.0124, 59.8626, 75.4592



Protanomaly

51.7693, 58.8136, 70.2516



Deuteranomaly

53.4729, 58.4668, 76.8735



Tritanomaly

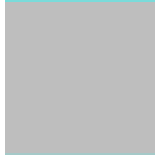
47.5324, 60.1042, 82.4948

Monochromacy



Original Color

46.0124, 59.8626, 75.4592



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.8290, 53.9428, 62.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0124, 59.8626, 75.4592 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(122, 219, 218)` looks like.

```
.text, #text, p{  
    color:rgb(122, 219, 218)  
}
```

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(122, 219, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 219, 218) }
```

Border

The CSS property to change the border of an element to XYZ 46.0124, 59.8626, 75.4592 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(122, 219, 218) }
```


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

```
.border{ border-color:rgb(122, 219, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 219, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 219, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 219, 218);  
box-shadow:4px 4px 4px 4px rgb(122, 219,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0124, 59.8626, 75.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 219, 218) }
```

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

```
.background{ background-color: rgb(122,  
219, 218) }
```

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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