

Converting Colors

XYZ(46.3765, 60.1468, 76.3903)

Have a look what the booklet for
XYZ(46.3765, 60.1468, 76.3903)
contains.

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Color

**XYZ(46.2861, 59.9885,
76.1572)**

Conversions

Conversions Part 1

Format	Color
Hex	7BDBDB
RGB	123, 219, 219
RGB Percent	48%, 86%, 86%
CMY	0.5176, 0.1412, 0.1412
CMYK	0.44, 0.00, 0.00, 0.14
HSL	180°, 57%, 67%
HSV	180°, 44%, 86%
XYZ	46.2861, 59.9885, 76.1572
YIQ	190.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

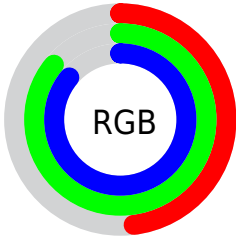
Format	Color
RYB	123, 171, 219
Decimal	8117211
CIELab	81.83, -28.31, -8.86
CIElCh	82, 29.667, 197.372
Yxy	59.9885, 0.2537, 0.3288
Android (android.graphics.Color)	4286307291 (0xFF7BDBDB)
YUV	190.2960, 14.1511, -59.0186
Hunter-Lab	77.4522, -28.8684, -4.0821

Details

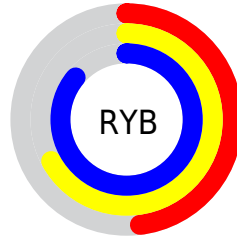
The XYZ color **46.2861, 59.9885, 76.1572** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.8736, 30.6579, 22.5571**, and the grayscale version is **49.0603, 51.6152, 56.2090**.

A 20% lighter version of the original color is **72.8661, 88.5638, 107.8618**, and **22.0907, 30.3212, 39.8102** is the 20% darker color. If you saturate the color by 10%, you get **43.4973, 58.5522, 76.0276**, and if you desaturate by 10%, it is **49.7792, 61.7907, 76.3224**.

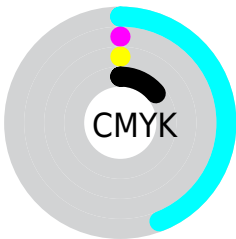
Distribution



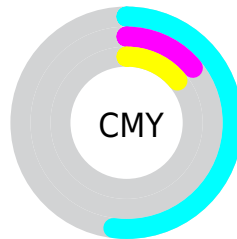
- Red (48%)
- Green (86%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2861, 59.9885, 76.1572 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 46.2861, 59.9885, 76.1572 by changing the saturation by 10% instead.

■ 46.2861, 59.9885,
76.1572

■ 46.2861, 59.9885,
76.1572

362.6544,
424.5554, 501.2468

■ 32.6772, 43.4094,
56.0540

■ 83.8723, 104.8130,
129.7112

■ 22.0373, 30.2064,
39.8419

■ 108.5802,
133.8271, 163.9991

■ 14.0011, 19.9953,
27.1025

■ 137.7187,
167.7551, 203.8523

■ 8.2031, 12.3917,
17.4171

171.6528,
206.9812, 249.6893

■ 4.2781, 7.0110,
10.3672

210.7481,
251.8899, 301.9288

■ 1.8606, 3.4690,
5.5343

255.3699,

■ 0.5538, 1.3812,

302.8655, 360.9891

2.4999

305.8835,
360.2926, 427.2890

■ 0.0000, 0.2028,
0.8401

■ 0.0000, 0.0000,
0.0000

■ 46.2861, 59.9885,
76.1572

■ 46.2861, 59.9885,
76.1572

■ 43.4973, 58.5522,
76.0276

■ 49.7792, 61.7907,
76.3224

■ 41.3602, 57.4505,
75.9273


■ 54.0142, 63.9739,
76.5209


■ 39.8234, 56.6583,
75.8550


■ 59.0324, 66.5608,
76.7561


■ 38.8255, 56.1439,
75.8079


■ 64.8703, 69.5704,
77.0297


 38.2920, 55.8689,
75.7826


 71.5625, 73.0204,
77.3433

 38.1185, 55.7794,
75.7742

 79.1413, 76.9274,
77.6983

 79.3594, 77.0398,
77.7089

 79.3594, 77.0398,
77.7093

 79.3595, 77.0398,
77.7096

Harmonies

Analogous

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



46.0621, 59.9885, 58.0686



46.2861, 59.9885, 76.1572



49.2496, 59.9885, 94.0980

Triad

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



46.2861, 59.9885, 76.1572



66.3377, 59.9885, 91.5484



59.6888, 59.9885, 37.1283

Complementary

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



46.2861, 59.9885, 76.1572



39.8736, 30.6579, 22.5571

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.



65.5616, 59.9885, 43.0995



46.2861, 59.9885, 76.1572



69.5847, 59.9885, 73.1454

Square

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



46.2861, 59.9885, 76.1572



60.6863, 59.9885, 104.0399



69.2907, 59.9885, 55.5581



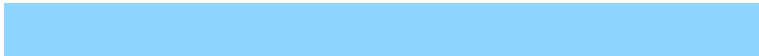
53.4992, 59.9885, 37.6373

Rectangle

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



46.2861, 59.9885, 76.1572



52.5114, 59.9885, 102.5724



69.2907, 59.9885, 55.5581



61.7738, 59.9885, 38.3908

Sweetspot

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



46.2879, 59.9908, 76.1586



83.8881, 94.2459, 108.3770



37.3077, 56.4254, 27.6652



17.5930, 19.9856, 23.1801



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.



46.2879, 59.9908, 76.1586



61.5344, 82.7221, 107.3287



35.8234, 39.0615, 72.6720



13.4449, 14.8296, 16.8058



22.6016, 33.0733, 44.9288



1.4642, 2.1426, 2.9107

Inverse Universe

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



39.8736, 30.6579, 22.5571



51.3197, 36.0094, 21.9683



47.0532, 45.0173, 24.9496



13.0561, 13.0515, 13.5567



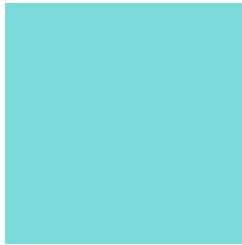
17.3222, 8.9299, 0.8108



1.1222, 0.5785, 0.0526

Previews

White Background



This preview shows how the XYZ color 46.2861, 59.9885, 76.1572 looks on a white background.

Color Contrast Check

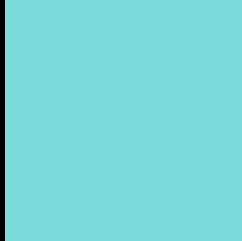
Large Text (above 18pt) WCAG AA × Fail

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 46.2861, 59.9885, 76.1572 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

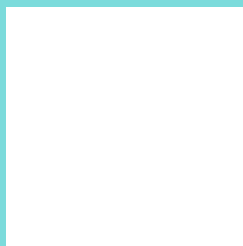
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2861, 59.9885, 76.1572

Background



This preview shows how black text looks on a background with the XYZ color 46.2861, 59.9885, 76.1572.



This preview shows how white text looks on a background with the XYZ color 46.2861, 59.9885,

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

46.2861, 59.9885, 76.1572

Protanopia

57.1736, 59.1647, 68.0811

Deuteranopia

60.5722, 59.3114, 78.7768



Tritanopia

48.5662, 60.1554, 86.8933

Trichromacy



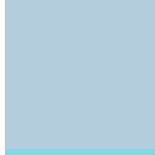
Original Color

46.2861, 59.9885, 76.1572



Protanomaly

52.1187, 58.9792, 70.9245



Deuteranomaly

53.8385, 58.6399, 77.5883



Tritanomaly

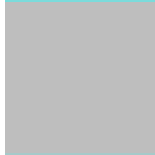
47.8184, 60.2356, 83.2351

Monochromacy



Original Color

46.2861, 59.9885, 76.1572



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.1551, 54.0973, 63.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2861, 59.9885, 76.1572 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(123, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(123, 219, 219)  
}
```

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(123, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 46.2861, 59.9885, 76.1572 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(123, 219, 219) }
```


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

```
.border{ border-color:rgb(123, 219, 219) }
```

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

Here you see how a box with a 4 pixel rgb(123, 219, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(123, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2861, 59.9885, 76.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 219, 219) }
```

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

```
.background{ background-color: rgb(123,  
219, 219) }
```

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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