

Converting Colors

XYZ(46.8392, 63.0091, 81.3128)

Have a look what the booklet for
XYZ(46.8392, 63.0091, 81.3128)
contains.

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Color

**XYZ(46.8677, 62.9479,
81.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	6AE2E2
RGB	106, 226, 226
RGB Percent	42%, 89%, 89%
CMY	0.5843, 0.1137, 0.1137
CMYK	0.53, 0.00, 0.00, 0.11
HSL	180°, 67%, 65%
HSV	180°, 53%, 89%
XYZ	46.8677, 62.9479, 81.6315
YIQ	190.1200, -71.5200, -25.4400

Conversions

Conversions Part 2

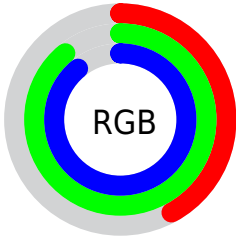
Format	Color
RYB	106, 166, 226
Decimal	7004898
CIELab	83.41, -33.50, -10.28
CIELCh	83, 35.040, 197.068
Yxy	62.9479, 0.2448, 0.3288
Android (android.graphics.Color)	4285194978 (0xFF6AE2E2)
YUV	190.1200, 17.6888, -73.7732
Hunter-Lab	79.3397, -33.4007, -5.4648

Details

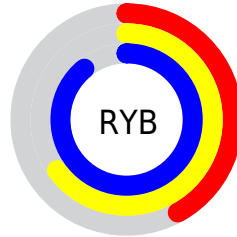
The XYZ color **46.8677, 62.9479, 81.6315** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.1217, 27.5194, 16.8876**, and the grayscale version is **48.9453, 51.4942, 56.0772**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **22.3851, 32.0298, 43.5306** is the 20% darker color. If you saturate the color by 10%, you get **44.5281, 61.7433, 81.5231**, and if you desaturate by 10%, it is **49.9186, 64.5222, 81.7760**.

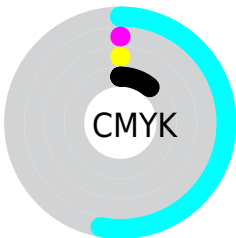
Distribution



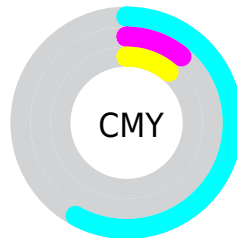
- Red (42%)
- Green (89%)
- Blue (89%)



- Red (42%)
- Yellow (65%)
- Blue (89%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (58%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8677, 62.9479, 81.6315 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 46.8677, 62.9479, 81.6315 by changing the saturation by 10% instead.

46.8677, 62.9479,
81.6315

46.8677, 62.9479,
81.6315

364.9439,
435.3804, 520.2653

33.1386, 45.7991,
60.5278

84.7361, 109.0943,
137.4892

22.3924, 32.0873,
43.4161

109.6060,
138.8607, 173.0802

14.2637, 21.4282,
29.8779

138.9203,
173.6018, 214.3374

8.3872, 13.4373,
19.4947

173.0442,
213.7018, 261.6794

4.3976, 7.7304,
11.8478

212.3432,
259.5453, 315.5246

1.9294, 3.9229,
6.5189

257.1826,

0.5939, 1.6305,

311.5167, 376.2916

3.0892

307.9277,
370.0002, 444.3990

■ 0.0000, 0.3781,
1.1404

■ 0.0000, 0.0000,
0.0000

■ 46.8677, 62.9479,
81.6315

■ 46.8677, 62.9479,
81.6315

■ 44.5281, 61.7433,
81.5231

■ 49.9186, 64.5222,
81.7760

■ 42.8374, 60.8717,
81.4437


■ 53.7260, 66.4849,
81.9544


■ 41.7318, 60.3017,
81.3917


■ 58.3378, 68.8624,
82.1705


■ 41.1318, 59.9924,
81.3633


■ 63.7963, 71.6763,
82.4263


 40.9248, 59.8857,
81.3534

 70.1410, 74.9471,
82.7235

 77.4089, 78.6939,
83.0639

 82.1654, 81.1460,
83.2868

 82.1655, 81.1460,
83.2871

 82.1655, 81.1460,
83.2874

Harmonies

Analogous

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



46.6352, 62.9479, 59.5562



46.8677, 62.9479, 81.6315



50.3796, 62.9479, 104.1509

Triad

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



46.8677, 62.9479, 81.6315



71.2321, 62.9479, 101.3418



63.1753, 62.9479, 35.1923

Complementary

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



46.8677, 62.9479, 81.6315



39.1217, 27.5194, 16.8876

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.



70.3942, 62.9479, 42.1406



46.8677, 62.9479, 81.6315



75.3051, 62.9479, 78.3837

Square

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



46.8677, 62.9479, 81.6315



64.2420, 62.9479, 117.0861



74.9860, 62.9479, 56.9280



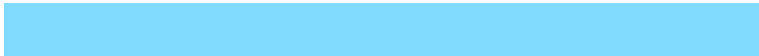
55.6249, 62.9479, 35.6981

Rectangle

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



46.8677, 62.9479, 81.6315



54.2916, 62.9479, 114.9967



74.9860, 62.9479, 56.9280



65.7330, 62.9479, 36.6588

Sweetspot

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



46.8696, 62.9503, 81.6330



81.5999, 93.0662, 108.2699



35.9842, 58.6240, 23.0562



17.1426, 19.7534, 23.1591



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.



46.8696, 62.9503, 81.6330



58.2032, 81.0048, 107.1732



33.6760, 36.5627, 77.2366



14.1166, 15.5724, 17.6494



23.3468, 34.1636, 46.4105



1.6183, 2.3680, 3.2169

Inverse Universe

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



39.1217, 27.5194, 16.8876



46.9730, 29.6489, 13.3272



47.2433, 43.7627, 19.5943



13.7073, 13.7006, 14.2289



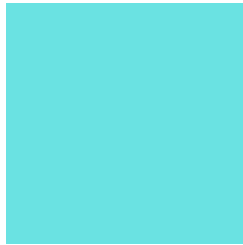
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 46.8677, 62.9479, 81.6315 looks on a white background.

Color Contrast Check

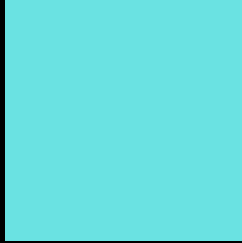
Large Text (above 18pt) WCAG AA × Fail

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 46.8677, 62.9479, 81.6315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

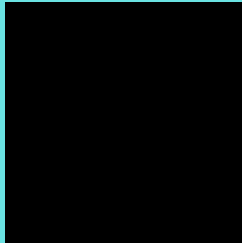
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

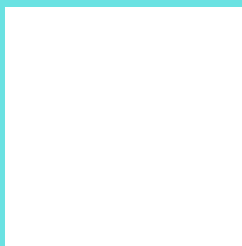
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8677, 62.9479, 81.6315

Background



This preview shows how black text looks on a background with the XYZ color 46.8677, 62.9479, 81.6315.



This preview shows how white text looks on a background with the XYZ color 46.8677, 62.9479,

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
46.8677, 62.9479, 81.6315
Protanopia
59.8540, 61.8766, 71.7395
Deuteranopia
63.3348, 61.9899, 84.2284



Tritanopia

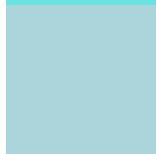
49.3648, 63.1669, 93.5950

Trichromacy



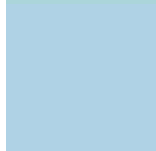
Original Color

46.8677, 62.9479, 81.6315



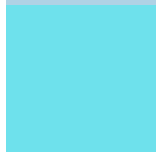
Protanomaly

53.2437, 61.3084, 75.3571



Deuteranomaly

54.8686, 60.8643, 82.9848



Tritanomaly

48.4959, 63.2216, 89.0039

Monochromacy



Original Color

46.8677, 62.9479, 81.6315



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.4335, 54.3946, 64.5518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8677, 62.9479, 81.6315 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(106, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(106, 226, 226)  
}
```

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(106, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 46.8677, 62.9479, 81.6315 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(106, 226, 226) }
```


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

```
.border{ border-color:rgb(106, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(106, 226,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8677, 62.9479, 81.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 226, 226) }
```

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

```
.background{ background-color: rgb(106,  
226, 226) }
```

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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