

Converting Colors

XYZ(46.4921, 62.7896, 81.8625)

Have a look what the booklet for
XYZ(46.4921, 62.7896, 81.8625)
contains.

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Color

**XYZ(46.4033, 62.7085,
81.6097)**

Conversions

Conversions Part 1

Format	Color
Hex	66E2E2
RGB	102, 226, 226
RGB Percent	40%, 89%, 89%
CMY	0.6000, 0.1137, 0.1137
CMYK	0.55, 0.00, 0.00, 0.11
HSL	180°, 68%, 64%
HSV	180°, 55%, 89%
XYZ	46.4033, 62.7085, 81.6097
YIQ	188.9240, -73.9040, -26.2880

Conversions

Conversions Part 2

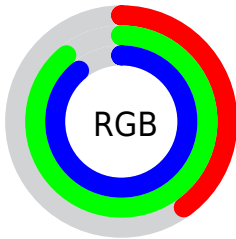
Format	Color
RYB	102, 164, 226
Decimal	6742754
CIELab	83.29, -34.26, -10.49
CIELCh	83, 35.830, 197.016
Yxy	62.7085, 0.2433, 0.3288
Android (android.graphics.Color)	4284932834 (0xFF66E2E2)
YUV	188.9240, 18.2785, -76.2323
Hunter-Lab	79.1887, -33.9821, -5.6706

Details

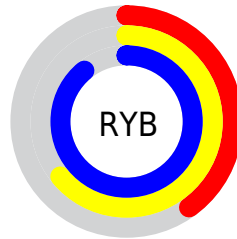
The XYZ color **46.4033, 62.7085, 81.6097** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.5158, 26.6327, 15.6831**, and the grayscale version is **48.2572, 50.7704, 55.2889**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **22.1021, 31.8839, 43.5174** is the 20% darker color. If you saturate the color by 10%, you get **44.1833, 61.5655, 81.5069**, and if you desaturate by 10%, it is **49.3251, 64.2162, 81.7481**.

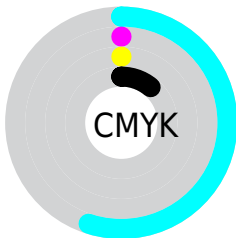
Distribution



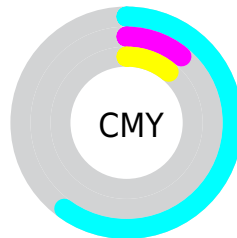
- Red (40%)
- Green (89%)
- Blue (89%)



- Red (40%)
- Yellow (64%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4033, 62.7085, 81.6097 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 46.4033, 62.7085, 81.6097 by changing the saturation by 10% instead.

46.4033, 62.7085,
81.6097

46.4033, 62.7085,
81.6097

363.1165,
434.5108, 520.1904

32.7702, 45.6054,
60.5099

84.0464, 108.7489,
137.4583

22.1088, 31.9346,
43.4018

108.7871,
138.4549, 173.0442

14.0539, 21.3115,
29.8668

137.9610,
173.1308, 214.2959

8.2401, 13.3519,
19.4863

171.9335,
213.1609, 261.6320

4.3021, 7.6713,
11.8418

211.0700,
258.9295, 315.4709

1.8744, 3.8854,
6.5148

255.7357,

0.5619, 1.6096,

310.8211, 376.2312

3.0868

306.2961,
369.2201, 444.3315

■ 0.0000, 0.3641,
1.1391

■ 0.0000, 0.0000,
0.0000

■ 46.4033, 62.7085,
81.6097

■ 46.4033, 62.7085,
81.6097

■ 44.1833, 61.5655,
81.5069

■ 49.3251, 64.2162,
81.7481

■ 42.6012, 60.7499,
81.4326


■ 52.9948, 66.1080,
81.9201


■ 41.5913, 60.2293,
81.3850


■ 57.4610, 68.4104,
82.1294


■ 41.0710, 59.9610,
81.3604


■ 62.7668, 71.1456,
82.3780


 40.9248, 59.8857,
81.3534

 68.9519, 74.3341,
82.6678

 76.0538, 77.9953,
83.0004

 82.1654, 81.1459,
83.2867

 82.1655, 81.1460,
83.2870

 82.1655, 81.1460,
83.2873

Harmonies

Analogous

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



46.1729, 62.7085, 59.0924



46.4033, 62.7085, 81.6097



49.9677, 62.7085, 104.6900

Triad

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



46.4033, 62.7085, 81.6097



71.2383, 62.7085, 101.8788



63.0295, 62.7085, 34.4432

Complementary

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



46.4033, 62.7085, 81.6097



38.5158, 26.6327, 15.6831

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.



70.4026, 62.7085, 41.4724



46.4033, 62.7085, 81.6097



75.4123, 62.7085, 78.3713

Square

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



46.4033, 62.7085, 81.6097



64.0917, 62.7085, 118.0273



75.0937, 62.7085, 56.4851



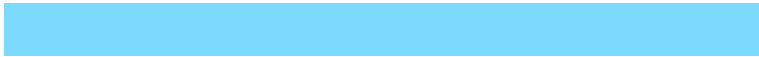
55.3281, 62.7085, 34.9404

Rectangle

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



46.4033, 62.7085, 81.6097



53.9463, 62.7085, 115.8423



75.0937, 62.7085, 56.4851



65.6410, 62.7085, 35.9261

Sweetspot

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



46.4052, 62.7109, 81.6112



81.5999, 93.0662, 108.2699



35.3133, 58.3015, 21.9640



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.



46.4052, 62.7109, 81.6112



57.7120, 80.7516, 107.1501



32.8573, 35.6147, 77.0967



14.1166, 15.5724, 17.6494



23.3467, 34.1636, 46.4105



1.6183, 2.3680, 3.2169

Inverse Universe

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



38.5158, 26.6327, 15.6831



46.3321, 28.7112, 12.0532



46.6732, 42.9476, 18.4017



13.7073, 13.7006, 14.2289



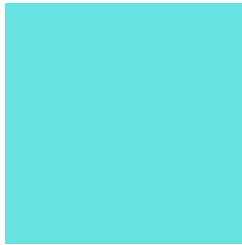
17.8932, 9.2243, 0.8375



1.2403, 0.6394, 0.0581

Previews

White Background



This preview shows how the XYZ color 46.4033, 62.7085, 81.6097 looks on a white background.

Color Contrast Check

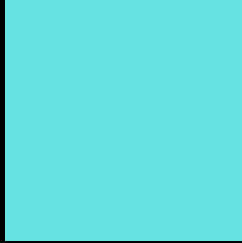
Large Text (above 18pt) WCAG AA × Fail

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 46.4033, 62.7085, 81.6097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

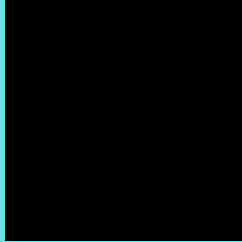
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.4033, 62.7085, 81.6097

Background



This preview shows how black text looks on a background with the XYZ color 46.4033, 62.7085, 81.6097.

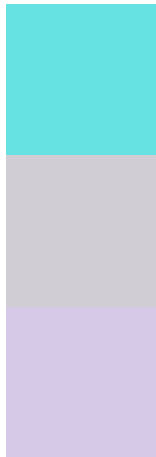


This preview shows how white text looks on a background with the XYZ color 46.4033, 62.7085,

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

46.4033, 62.7085, 81.6097

Protanopia

59.8540, 61.8766, 71.7395

Deuteranopia

63.0420, 61.8390, 84.2147



Tritanopia

48.8670, 62.9103, 93.5717

Trichromacy



Original Color

46.4033, 62.7085, 81.6097



Protanomaly

52.8113, 61.0855, 75.3369



Deuteranomaly

54.4230, 60.6346, 82.9640



Tritanomaly

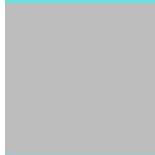
48.0094, 62.9707, 88.9811

Monochromacy



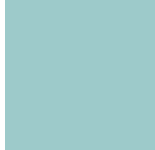
Original Color

46.4033, 62.7085, 81.6097



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.6858, 53.6734, 63.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4033, 62.7085, 81.6097 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(102, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 226, 226) }
```

Border

The CSS property to change the border of an element to XYZ 46.4033, 62.7085, 81.6097 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(102, 226, 226) }
```


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

```
.border{ border-color:rgb(102, 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(102, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 226, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 226, 226); box-shadow:4px 4px 4px 4px rgb(102, 226, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4033, 62.7085, 81.6097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 226, 226) }
```

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

```
.background{ background-color: rgb(102,  
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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