

Converting Colors

XYZ(48.3546, 61.3966, 71.0460)

Have a look what the booklet for
XYZ(48.3546, 61.3966, 71.0460)
contains.

XYZ(48.5064, 61.6403, 70.9692)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.5064, 61.6403,
70.9692)**

Conversions

Conversions Part 1

Format	Color
Hex	8EDCD3
RGB	142, 220, 211
RGB Percent	56%, 86%, 83%
CMY	0.4431, 0.1372, 0.1725
CMYK	0.35, 0.00, 0.04, 0.14
HSL	173°, 53%, 71%
HSV	173°, 35%, 86%
XYZ	48.5064, 61.6403, 70.9692
YIQ	195.6520, -43.5990, -19.3350

Conversions

Conversions Part 2

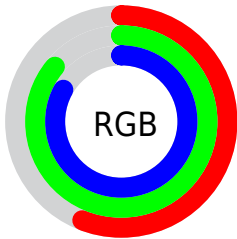
Format	Color
R_{YB}	142, 183, 220
Decimal	9362643
CIE Lab	82.72, -25.96, -3.20
CIE LCh	83, 26.153, 187.022
Yxy	61.6403, 0.2678, 0.3403
Android (android.graphics.Color)	4287552723 (0xFF8EDCD3)
YUV	195.6520, 7.5666, -47.0528
Hunter-Lab	78.5113, -27.1128, 1.3636

Details

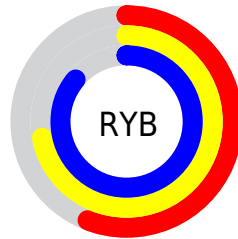
The XYZ color **48.5064, 61.6403, 70.9692** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.7763, 36.7978, 34.0233**, and the grayscale version is **52.2372, 54.9576, 59.8489**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **23.4714, 31.3708, 36.7164** is the 20% darker color. If you saturate the color by 10%, you get **44.7825, 59.7586, 69.1475**, and if you desaturate by 10%, it is **52.9838, 63.9130, 72.8551**.

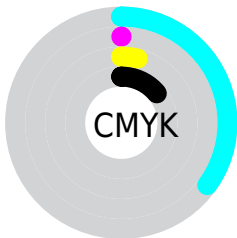
Distribution



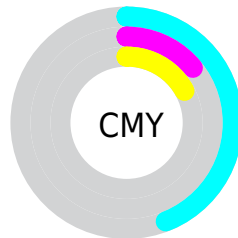
- Red (56%)
- Green (86%)
- Blue (83%)



- Red (56%)
- Yellow (72%)
- Blue (86%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)




- Cyan (44%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5064, 61.6403, 70.9692 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 48.5064, 61.6403, 70.9692 by changing the saturation by 10% instead.


 48.5064, 61.6403,
70.9692


 48.5064, 61.6403,
70.9692


371.3451,
430.6178, 482.8265

 34.4410, 44.7421,
51.8354


 87.1630, 107.2055,
122.2839

 23.3971, 31.2544,
36.4925


 112.4850,
136.6413, 155.3019

 15.0093, 20.7926,
24.5221


142.2899,
171.0251, 193.7850

 8.9123, 12.9725,
15.5056

176.9430,
210.7413, 238.1518

 4.7407, 7.4096,
9.0245

216.8097,
256.1742, 288.8208

 2.1291, 3.7196,
4.6601

262.2554,

 0.7050, 1.5180,

307.7084, 346.2106

1.9940

313.6454,
365.7281, 410.7396

■ 0.0000, 0.3013,
0.5516

■ 0.0000, 0.0000,
0.0000

■ 48.5064, 61.6403,
70.9692

■ 48.5064, 61.6403,
70.9692

■ 44.7825, 59.7586,
69.1475

■ 52.9838, 63.9130,
72.8551

■ 41.7628, 58.2378,
67.3835

■ 58.2499, 66.5901,
74.8030

■ 39.4002, 57.0552,
65.6763

■ 64.3440, 69.6934,
76.8161

■ 37.6400, 56.1825,
64.0232

■ 71.3011, 73.2412,
78.8962

■ 36.4183, 55.5869,
62.4211

■ 79.1545, 77.2503,
81.0449

■ 35.6567, 55.2279,
60.8661

■ 80.5942, 77.9525,
82.9203

■ 35.4008, 55.1111,
60.1719

■ 80.9458, 78.0931,
84.7718

■ 81.3026, 78.2358,
86.6506

■ 81.6645, 78.3806,
88.5568

Harmonies

Analogous

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



49.1940, 61.6403, 55.7481



48.5064, 61.6403, 70.9692



50.3787, 61.6403, 87.5205

Triad

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



48.5064, 61.6403, 70.9692



65.3353, 61.6403, 94.9711



62.9064, 61.6403, 42.4721

Complementary

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



48.5064, 61.6403, 70.9692



44.7763, 36.7978, 34.0233

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.



67.6423, 61.6403, 50.1580



48.5064, 61.6403, 70.9692



69.1061, 61.6403, 79.9324

Square

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



48.5064, 61.6403, 70.9692



59.9177, 61.6403, 102.7423



69.9762, 61.6403, 63.4045



57.2766, 61.6403, 40.8546

Rectangle

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



48.5064, 61.6403, 70.9692



52.9017, 61.6403, 96.5578



69.9762, 61.6403, 63.4045



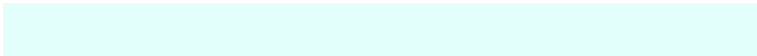
64.6663, 61.6403, 44.3643

Sweetspot

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



48.5082, 61.6428, 70.9706



84.9559, 94.8560, 105.7297



43.2586, 59.7308, 34.8417



17.9395, 20.1786, 22.5486



0.0000, 0.0000, 0.0000



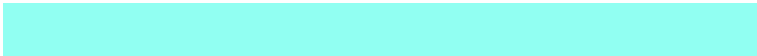
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.5082, 61.6428, 70.9706



63.5777, 84.0031, 97.1395



42.5106, 47.7904, 74.6968



13.3768, 14.8023, 16.4470



20.8022, 32.3535, 35.4534



1.3664, 2.1035, 2.3956

Inverse Universe

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



44.7763, 36.7978, 34.0233



57.5910, 44.0867, 37.8243



49.1333, 46.6377, 32.0048



13.1169, 13.0758, 13.8766



17.4486, 8.9805, 1.4762



1.1512, 0.5901, 0.2054

Previews

White Background



This preview shows how the XYZ color 48.5064, 61.6403, 70.9692 looks on a white background.

Color Contrast Check

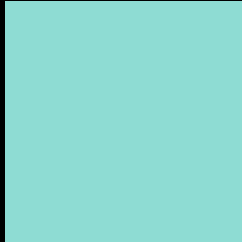
Large Text (above 18pt) WCAG AA × Fail

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 48.5064, 61.6403, 70.9692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

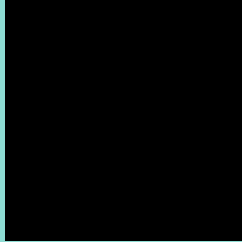
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5064, 61.6403, 70.9692

Background



This preview shows how black text looks on a background with the XYZ color 48.5064, 61.6403, 70.9692.

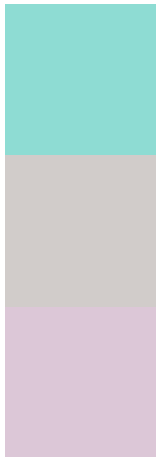


This preview shows how white text looks on a background with the XYZ color 48.5064, 61.6403,

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

48.5064, 61.6403, 70.9692

Protanopia

58.5480, 61.0053, 64.5665

Deuteranopia

62.2044, 60.9688, 72.7796



Tritanopia

51.8769, 61.8621, 87.0483

Trichromacy



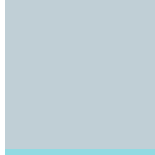
Original Color

48.5064, 61.6403, 70.9692



Protanomaly

54.0736, 60.8153, 66.6461



Deuteranomaly

56.1887, 60.6872, 72.3707



Tritanomaly

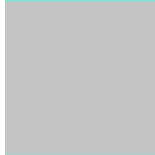
50.6529, 61.7448, 81.1997

Monochromacy



Original Color

48.5064, 61.6403, 70.9692



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

50.2784, 57.1098, 63.6317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5064, 61.6403, 70.9692 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(142, 220, 211)` looks like.

```
.text, #text, p{  
    color:rgb(142, 220, 211)  
}
```

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(142, 220, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 220, 211) }
```

Border

The CSS property to change the border of an element to XYZ 48.5064, 61.6403, 70.9692 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(142, 220, 211) }
```


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

```
.border{ border-color:rgb(142, 220, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 220, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 220, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 220, 211);  
box-shadow:4px 4px 4px 4px rgb(142, 220,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5064, 61.6403, 70.9692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 220, 211) }
```

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

```
.background{ background-color: rgb(142,  
220, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor