

Converting Colors

XYZ(45.2754, 61.7074, 71.3609)

Have a look what the booklet for
XYZ(45.2754, 61.7074, 71.3609)
contains.

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Color

**XYZ(45.0956, 61.4592,
71.1140)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70E0D3 |
| RGB | 112, 224, 211 |
| RGB Percent | 44%, 88%, 83% |
| CMY | 0.5608, 0.1216, 0.1725 |
| CMYK | 0.50, 0.00, 0.06, 0.12 |
| HSL | 173°, 64%, 66% |
| HSV | 173°, 50%, 88% |
| XYZ | 45.0956, 61.4592, 71.1140 |
| YIQ | 189.0300, -62.5790, -27.7870 |

Conversions

Conversions Part 2

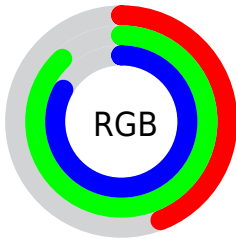
| Format | Color |
|-------------------------------------|---|
| RYB | 112, 171, 224 |
| Decimal | 7397587 |
| CIELab | 82.62, -35.13, -3.48 |
| CIELCh | 83, 35.306, 185.660 |
| Yxy | 61.4592, 0.2538, 0.3459 |
| Android (android.graphics.Color) | 4285587667 (0xFF70E0D3) |
| YUV | 189.0300, 10.8312, -67.5553 |
| Hunter-Lab | 78.3959, -34.5145, 1.0944 |

Details

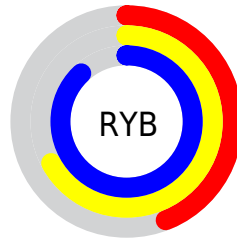
The XYZ color **45.0956, 61.4592, 71.1140** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.2384, 28.9180, 22.8652**, and the grayscale version is **48.3541, 50.8723, 55.4000**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **21.3074, 31.0680, 36.7720** is the 20% darker color. If you saturate the color by 10%, you get **42.2693, 60.0410, 69.2948**, and if you desaturate by 10%, it is **48.6397, 63.2497, 72.9970**.

Distribution



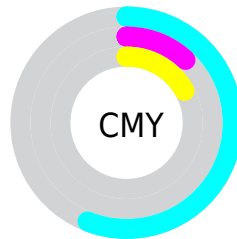
- Red (44%)
- Green (88%)
- Blue (83%)



- Red (44%)
- Yellow (67%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (56%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0956, 61.4592, 71.1140 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 45.0956, 61.4592, 71.1140 by changing the saturation by 10% instead.


 45.0956, 61.4592,
71.1140


 45.0956, 61.4592,
71.1140


357.9378,
429.9557, 483.3462


 31.7343, 44.5959,
51.9528


 82.1000, 106.9435,
122.4920

 21.3132, 31.1392,
36.5855


 106.4739,
136.3333, 155.5459

 13.4669, 20.7049,
24.5935


 135.2494,
170.6674, 194.0678

 7.8301, 12.9085,
15.5582

168.7918,
210.3301, 238.4763

 4.0373, 7.3655,
9.0611

207.4664,
255.7059, 289.1898

 1.7232, 3.6917,
4.6837

251.6388,

 0.4708, 1.5027,

307.1792, 346.6269

2.0074

301.6741,
365.1343, 411.2062

■ 0.0000, 0.2906,
0.5598

■ 0.0000, 0.0000,
0.0000

■ 45.0956, 61.4592,
71.1140

■ 45.0956, 61.4592,
71.1140

■ 42.2693, 60.0410,
69.2948

■ 48.6397, 63.2497,
72.9970

■ 40.1018, 58.9604,
67.5325


■ 52.9442, 65.4302,
74.9420


■ 38.5336, 58.1881,
65.8255


■ 58.0549, 68.0257,
76.9524


■ 37.4921, 57.6868,
64.1703


■ 64.0123, 71.0570,
79.0304


 36.8496, 57.3905,
62.5608


 70.8542, 74.5437,
81.1779

 36.8496, 57.3905,
62.5606

 78.6161, 78.5040,
83.3965

 82.0682, 80.2420,
85.4418

 82.4346, 80.3885,
87.3710

 82.8064, 80.5372,
89.3290

Harmonies

Analogous

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



46.1325, 61.4592, 51.1669



45.0956, 61.4592, 71.1140



47.3697, 61.4592, 94.2785

Triad

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



45.0956, 61.4592, 71.1140



67.3174, 61.4592, 106.8206



64.6216, 61.4592, 35.6721

Complementary

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



45.0956, 61.4592, 71.1140



40.2384, 28.9180, 22.8652

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.



71.0565, 61.4592, 45.4414



45.0956, 61.4592, 71.1140



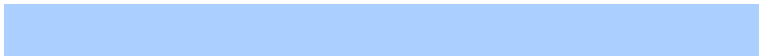
72.7047, 61.4592, 85.6108

Square

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



45.0956, 61.4592, 71.1140



59.8622, 61.4592, 117.5593



74.1287, 61.4592, 62.8916



56.9915, 61.4592, 33.4190

Rectangle

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



45.0956, 61.4592, 71.1140



50.5834, 61.4592, 107.5741



74.1287, 61.4592, 62.8916



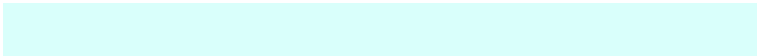
67.0161, 61.4592, 38.0643

Sweetspot

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



45.0974, 61.4616, 71.1154



81.6442, 93.1707, 104.5838



38.0494, 58.8486, 24.6840



17.1183, 19.7608, 22.2590



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.



45.0974, 61.4616, 71.1154



56.5603, 80.4731, 92.8550



36.6760, 41.9035, 76.6789



14.0445, 15.5435, 17.2693



21.4760, 33.4153, 36.5593



1.5083, 2.3240, 2.6378

Inverse Universe

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



40.2384, 28.9180, 22.8652



49.3671, 32.1130, 21.2902



45.3775, 40.4397, 20.7445



13.7716, 13.7263, 14.5676



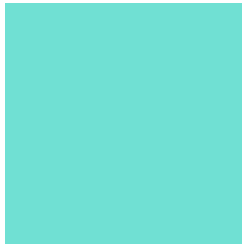
18.0233, 9.2763, 1.5225



1.2711, 0.6517, 0.2203

Previews

White Background



This preview shows how the XYZ color 45.0956, 61.4592, 71.1140 looks on a white background.

Color Contrast Check

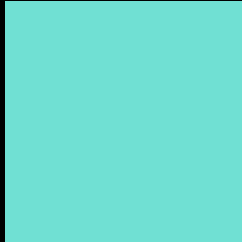
Large Text (above 18pt) WCAG AA × Fail

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 45.0956, 61.4592, 71.1140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

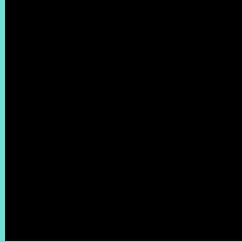
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

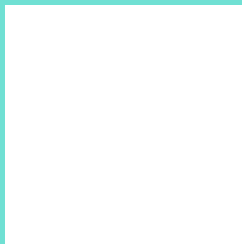
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0956, 61.4592, 71.1140

Background



This preview shows how black text looks on a background with the XYZ color 45.0956, 61.4592, 71.1140.

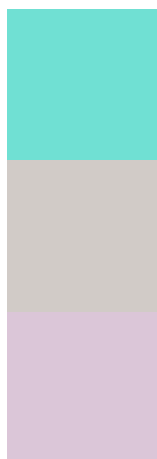


This preview shows how white text looks on a background with the XYZ color 45.0956, 61.4592,

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

45.0956, 61.4592, 71.1140

Protanopia

57.9592, 60.3907, 62.6346

Deuteranopia

61.8022, 60.4061, 73.3680



Tritanopia

48.9110, 61.4244, 90.1671

Trichromacy



Original Color

45.0956, 61.4592, 71.1140



Protanomaly

51.5293, 59.8990, 65.3457



Deuteranomaly

53.2728, 59.1840, 72.2342



Tritanomaly

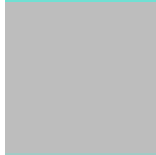
47.3313, 61.1659, 82.7104

Monochromacy



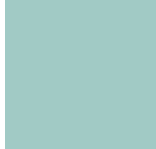
Original Color

45.0956, 61.4592, 71.1140



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.8965, 53.8493, 60.7983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0956, 61.4592, 71.1140 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(112, 224, 211)` looks like.

```
.text, #text, p{  
    color:rgb(112, 224, 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(112, 224, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 224, 211) }
```

Border

The CSS property to change the border of an element to XYZ 45.0956, 61.4592, 71.1140 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(112, 224, 211) }
```


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

```
.border{ border-color:rgb(112, 224, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 224, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 224, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 224, 211);  
box-shadow:4px 4px 4px 4px rgb(112, 224,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0956, 61.4592, 71.1140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 224, 211) }
```

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

```
.background{ background-color: rgb(112,  
224, 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](#).

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