

Converting Colors

XYZ(45.7322, 61.8111, 76.3127)

Have a look what the booklet for
XYZ(45.7322, 61.8111, 76.3127)
contains.

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Color

**XYZ(45.6262, 61.6139,
76.5058)**

Conversions

Conversions Part 1

Format	Color
Hex	6CE0DB
RGB	108, 224, 219
RGB Percent	42%, 88%, 86%
CMY	0.5764, 0.1216, 0.1412
CMYK	0.52, 0.00, 0.02, 0.12
HSL	177°, 65%, 65%
HSV	177°, 52%, 88%
XYZ	45.6262, 61.6139, 76.5058
YIQ	188.7460, -67.5310, -26.1470

Conversions

Conversions Part 2

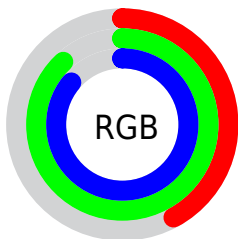
Format	Color
RYB	108, 167, 224
Decimal	7135451
CIELab	82.71, -33.97, -7.62
CIELCh	83, 34.811, 192.641
Yxy	61.6139, 0.2483, 0.3353
Android (android.graphics.Color)	4285325531 (0xFF6CE0DB)
YUV	188.7460, 14.9152, -70.8142
Hunter-Lab	78.4945, -33.6094, -2.8417

Details

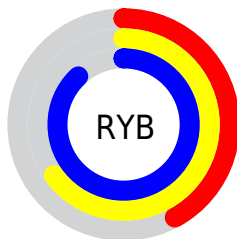
The XYZ color **45.6262, 61.6139, 76.5058** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.0858, 27.7666, 18.9244**, and the grayscale version is **48.1715, 50.6802, 55.1907**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **21.5785, 31.1367, 39.9946** is the 20% darker color. If you saturate the color by 10%, you get **43.1177, 60.3368, 75.7278**, and if you desaturate by 10%, it is **48.8389, 63.2568, 77.3233**.

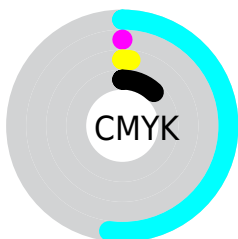
Distribution



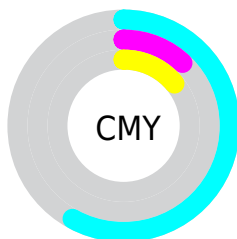
- Red (42%)
- Green (88%)
- Blue (86%)



- Red (42%)
- Yellow (65%)
- Blue (88%)



- Cyan (52%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (58%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6262, 61.6139, 76.5058 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 45.6262, 61.6139, 76.5058 by changing the saturation by 10% instead.


 45.6262, 61.6139,
76.5058


 45.6262, 61.6139,
76.5058


360.0450,
430.5213, 502.4702


 32.1543, 44.7208,
56.3382


 82.8906, 107.1673,
130.2083

 21.6355, 31.2376,
40.0683


 107.4138,
136.5964, 164.5802

 13.7044, 20.7798,
27.2776


 136.3515,
170.9730, 204.5241

 7.9957, 12.9631,
17.5476

170.0691,
210.6814, 250.4583

 4.1440, 7.4032,
10.4596

208.9319,
256.1060, 302.8015

 1.7839, 3.7155,
5.5952

253.3052,

 0.5079, 1.5157,

307.6313, 361.9722

2.5357

303.5545,
365.6416, 428.3889

■ 0.0000, 0.2998,
0.8590

■ 0.0000, 0.0000,
0.0000

■ 45.6262, 61.6139,
76.5058

■ 45.6262, 61.6139,
76.5058

■ 43.1177, 60.3368,
75.7278

■ 48.8389, 63.2568,
77.3233

■ 41.2531, 59.3901,
74.9824


■ 52.7992, 65.2836,
78.1783


■ 39.9714, 58.7439,
74.2682

■ 57.5535, 67.7196,
79.0744


■ 39.1972, 58.3592,
73.5815


■ 63.1430, 70.5861,
80.0134


 38.8383, 58.1859,
73.0332

 69.6057, 73.9027,
80.9971

 76.9776, 77.6879,
82.0273

 81.5916, 80.0512,
82.9323

 81.7244, 80.1043,
83.6315

 81.8579, 80.1577,
84.3346

Harmonies

Analogous

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



45.8860, 61.6139, 55.5391



45.6262, 61.6139, 76.5058



48.6119, 61.6139, 99.0166

Triad

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



45.6262, 61.6139, 76.5058



68.8491, 61.6139, 102.1550



62.9563, 61.6139, 34.9666

Complementary

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



45.6262, 61.6139, 76.5058



39.0858, 27.7666, 18.9244

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.



69.7852, 61.6139, 42.8857



45.6262, 61.6139, 76.5058



73.3812, 61.6139, 80.1341

Square

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



45.6262, 61.6139, 76.5058



61.7647, 61.6139, 115.8069



73.7376, 61.6139, 58.4749



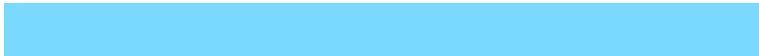
55.4723, 61.6139, 34.4017

Rectangle

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



45.6262, 61.6139, 76.5058



52.2016, 61.6139, 110.6940



73.7376, 61.6139, 58.4749



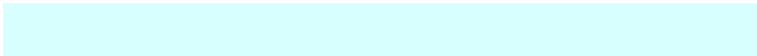
65.4195, 61.6139, 36.7645

Sweetspot

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



45.6280, 61.6163, 76.5072



81.3180, 92.9535, 106.7855



36.2778, 57.9604, 23.4643



17.0746, 19.7262, 22.8007



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.



45.6280, 61.6163, 76.5072



57.6507, 80.8445, 101.5216



34.3554, 38.0012, 76.0478



14.0897, 15.5616, 17.5076



22.6173, 33.8718, 42.5691



1.5757, 2.3510, 2.9930

Inverse Universe

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



39.0858, 27.7666, 18.9244



47.9898, 30.7847, 16.4343



46.0550, 42.1433, 19.8960



13.7311, 13.7101, 14.3540



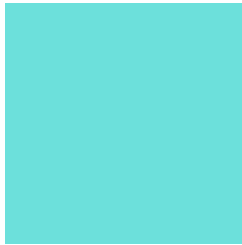
17.9348, 9.2409, 1.0563



1.2517, 0.6440, 0.1183

Previews

White Background



This preview shows how the XYZ color 45.6262, 61.6139, 76.5058 looks on a white background.

Color Contrast Check

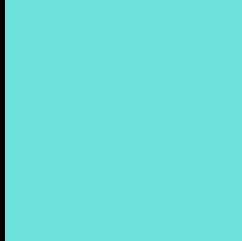
Large Text (above 18pt) WCAG AA × Fail

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 45.6262, 61.6139, 76.5058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

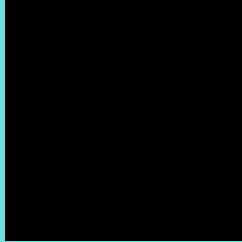
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

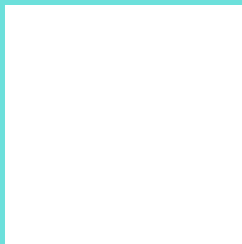
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6262, 61.6139, 76.5058

Background



This preview shows how black text looks on a background with the XYZ color 45.6262, 61.6139, 76.5058.

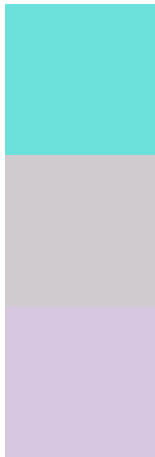


This preview shows how white text looks on a background with the XYZ color 45.6262, 61.6139,

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

45.6262, 61.6139, 76.5058

Protanopia

58.3505, 60.4823, 67.6303

Deuteranopia

61.9023, 60.6757, 78.9700



Tritanopia

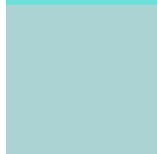
48.5067, 61.5897, 90.9928

Trichromacy



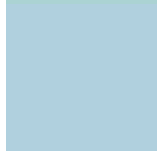
Original Color

45.6262, 61.6139, 76.5058



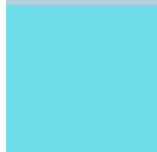
Protanomaly

51.8467, 59.9496, 70.4668



Deuteranomaly

53.6452, 59.6158, 77.7868



Tritanomaly

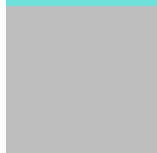
47.3689, 61.5135, 85.7206

Monochromacy



Original Color

45.6262, 61.6139, 76.5058



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.0431, 53.8848, 62.6177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6262, 61.6139, 76.5058 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(108, 224, 219)` looks like.

```
.text, #text, p{  
    color:rgb(108, 224, 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(108, 224, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 224, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.6262, 61.6139, 76.5058 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(108, 224, 219) }
```


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

```
.border{ border-color:rgb(108, 224, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 224, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 224, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 224, 219);  
box-shadow:4px 4px 4px 4px rgb(108, 224,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6262, 61.6139, 76.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 224, 219) }
```

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

```
.background{ background-color: rgb(108,  
224, 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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