

Converting Colors

XYZ(45.4850, 62.9920, 65.7387)

Have a look what the booklet for
XYZ(45.4850, 62.9920, 65.7387)
contains.

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Color

**XYZ(45.4659, 62.9843,
65.6380)**

Conversions

Conversions Part 1

Format	Color
Hex	75E3CA
RGB	117, 227, 202
RGB Percent	46%, 89%, 79%
CMY	0.5412, 0.1098, 0.2078
CMYK	0.48, 0.00, 0.11, 0.11
HSL	166°, 66%, 67%
HSV	166°, 48%, 89%
XYZ	45.4659, 62.9843, 65.6380
YIQ	191.2600, -57.5350, -31.0950

Conversions

Conversions Part 2

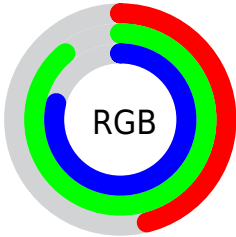
Format	Color
RYB	117, 179, 227
Decimal	7726026
CIELab	83.43, -37.56, 2.49
CIElCh	83, 37.639, 176.212
Yxy	62.9843, 0.2612, 0.3618
Android (android.graphics.Color)	4285916106 (0xFF75E3CA)
YUV	191.2600, 5.2948, -65.1260
Hunter-Lab	79.3626, -36.6241, 6.5172

Details

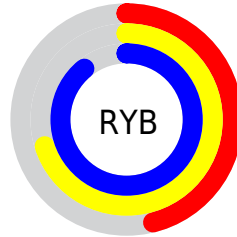
The XYZ color **45.4659, 62.9843, 65.6380** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.9245, 31.0083, 29.3165**, and the grayscale version is **49.6678, 52.2544, 56.9051**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **21.5391, 32.1047, 33.0786** is the 20% darker color. If you saturate the color by 10%, you get **42.1774, 61.3600, 62.3492**, and if you desaturate by 10%, it is **49.5179, 65.0030, 69.0719**.

Distribution



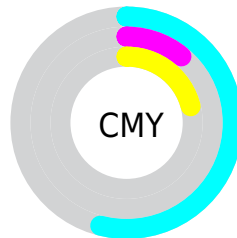
- Red (46%)
- Green (89%)
- Blue (79%)



- Red (46%)
- Yellow (70%)
- Blue (89%)



- Cyan (48%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (54%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4659, 62.9843, 65.6380 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 45.4659, 62.9843, 65.6380 by changing the saturation by 10% instead.


 45.4659, 62.9843,
65.6380


 45.4659, 62.9843,
65.6380


359.4092,
435.5125, 463.4500


 32.0274, 45.8285,
47.5240


 82.6519, 109.1469,
114.5887

 21.5381, 32.1105,
33.0928


 107.1301,
138.9224, 146.2624

 13.6326, 21.4459,
21.9258


 136.0188,
173.6734, 183.2930

 7.9456, 13.4503,
13.6046

169.6836,
213.7841, 226.0992

 4.1116, 7.7394,
7.7106

208.4896,
259.6389, 275.0995

 1.7655, 3.9286,
3.8252

252.8024,

 0.4967, 1.6337,

311.6224, 330.7123

1.5300

302.9871,
370.1188, 393.3563

■ 0.0000, 0.3802,
0.2401

■ 0.0000, 0.0000,
0.0000

■ 45.4659, 62.9843,
65.6380

■ 45.4659, 62.9843,
65.6380

■ 42.1774, 61.3600,
62.3492

■ 49.5179, 65.0030,
69.0719

■ 39.5924, 60.0945,
59.1976


■ 54.3770, 67.4338,
72.6499

■ 37.6507, 59.1583,
56.1806


■ 60.0901, 70.3024,
76.3765


■ 36.2791, 58.5137,
53.2939


■ 66.6988, 73.6303,
80.2547


 35.3706, 58.1055,
50.5313

 74.2417, 77.4374,
84.2872

 35.2481, 58.0514,
50.1149

 82.7556, 81.7426,
88.4766

 84.1602, 82.3803,
92.4460

 84.9299, 82.6882,
96.4990

 85.7215, 83.0048,
100.6674

Harmonies

Analogous

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



47.6900, 62.9843, 46.4014



45.4659, 62.9843, 65.6380



46.8001, 62.9843, 90.5276

Triad

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



45.4659, 62.9843, 65.6380



67.1048, 62.9843, 117.6106



69.0712, 62.9843, 37.4719

Complementary

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



45.4659, 62.9843, 65.6380



42.9245, 31.0083, 29.3165

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.



75.1590, 62.9843, 50.5002



45.4659, 62.9843, 65.6380



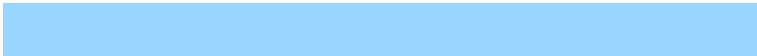
73.9528, 62.9843, 96.8912

Square

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



45.4659, 62.9843, 65.6380



58.8287, 62.9843, 124.2452



77.0216, 62.9843, 71.6070



60.9128, 62.9843, 32.6608

Rectangle

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



45.4659, 62.9843, 65.6380



49.6004, 62.9843, 106.6288



77.0216, 62.9843, 71.6070



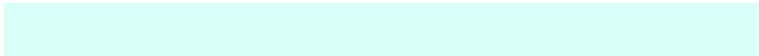
71.4555, 62.9843, 40.8661

Sweetspot

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



45.4677, 62.9868, 65.6395



80.9826, 92.9061, 101.0997



41.9520, 62.0350, 26.5938



16.9575, 19.6965, 21.4127



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.



45.4677, 62.9868, 65.6395



54.9377, 79.8929, 81.2001



41.3212, 49.5662, 80.0652



14.6599, 16.2774, 17.7399



20.6023, 33.8730, 29.4698



1.5568, 2.5169, 2.3588

Inverse Universe

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



42.9245, 31.0083, 29.3165



51.2948, 33.7109, 28.8922



45.2219, 38.2779, 21.8359



14.5105, 14.4214, 15.6227



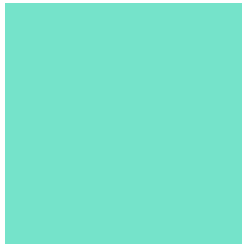
18.8678, 9.6814, 2.9331



1.4291, 0.7294, 0.4003

Previews

White Background



This preview shows how the XYZ color 45.4659, 62.9843, 65.6380 looks on a white background.

Color Contrast Check

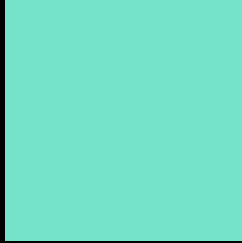
Large Text (above 18pt) WCAG AA × Fail

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 45.4659, 62.9843, 65.6380 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

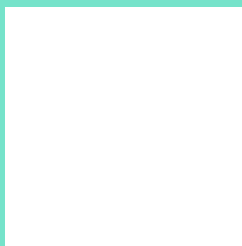
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4659, 62.9843, 65.6380

Background



This preview shows how black text looks on a background with the XYZ color 45.4659, 62.9843, 65.6380.



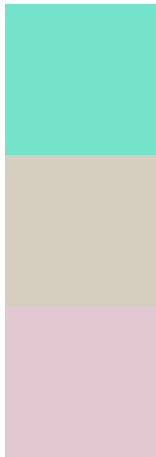
This preview shows how white text looks on a background with the XYZ color 45.4659, 62.9843,

65.6380.

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

45.4659, 62.9843, 65.6380

Protanopia

59.0971, 62.1565, 57.5978

Deuteranopia

63.4035, 62.0314, 68.3060



Tritanopia

50.6034, 63.0637, 91.1668

Trichromacy



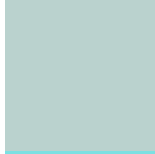
Original Color

45.4659, 62.9843, 65.6380



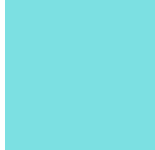
Protanomaly

52.3746, 61.5719, 60.1631



Deuteranomaly

54.4369, 60.9885, 67.2954



Tritanomaly

48.6953, 63.0874, 81.5621

Monochromacy



Original Color

45.4659, 62.9843, 65.6380



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

46.7530, 55.0184, 59.7852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4659, 62.9843, 65.6380 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(117, 227, 202)` looks like.

```
.text, #text, p{  
    color:rgb(117, 227, 202)  
}
```

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(117, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 227, 202) }
```

Border

The CSS property to change the border of an element to XYZ 45.4659, 62.9843, 65.6380 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(117, 227, 202) }
```


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

```
.border{ border-color:rgb(117, 227, 202) }
```

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

Here you see how a box with a 4 pixel rgb(117, 227, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 227, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 227, 202);  
box-shadow:4px 4px 4px 4px rgb(117, 227,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4659, 62.9843, 65.6380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 227, 202) }
```

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

```
.background{ background-color: rgb(117,  
227, 202) }
```

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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