

Converting Colors

XYZ(48.2653, 65.6250, 68.8591)

Have a look what the booklet for
XYZ(48.2653, 65.6250, 68.8591)
contains.

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Color

**XYZ(48.3117, 65.6106,
69.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE6CF
RGB	127, 230, 207
RGB Percent	50%, 90%, 81%
CMY	0.5019, 0.0980, 0.1882
CMYK	0.45, 0.00, 0.10, 0.10
HSL	167°, 67%, 70%
HSV	167°, 45%, 90%
XYZ	48.3117, 65.6106, 69.1493
YIQ	196.5810, -54.0050, -28.9890

Conversions

Conversions Part 2

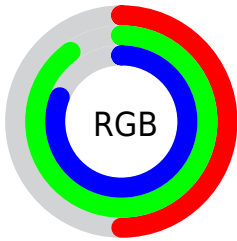
Format	Color
RYB	127, 185, 230
Decimal	8382159
CIELab	84.80, -35.44, 1.88
CIELCh	85, 35.489, 176.969
Yxy	65.6106, 0.2639, 0.3584
Android (android.graphics.Color)	4286572239 (0xFF7FE6CF)
YUV	196.5810, 5.1366, -61.0225
Hunter-Lab	81.0004, -35.2865, 6.0849

Details

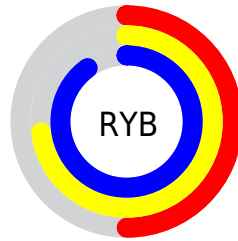
The XYZ color **48.3117, 65.6106, 69.1493** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.7298, 34.2056, 33.0488**, and the grayscale version is **52.8133, 55.5637, 60.5089**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **23.3401, 33.8372, 35.4381** is the 20% darker color. If you saturate the color by 10%, you get **44.6519, 63.7970, 65.7541**, and if you desaturate by 10%, it is **52.7775, 67.8407, 72.6917**.

Distribution



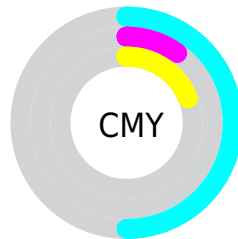
- Red (50%)
- Green (90%)
- Blue (81%)



- Red (50%)
- Yellow (73%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3117, 65.6106, 69.1493 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 48.3117, 65.6106, 69.1493 by changing the saturation by 10% instead.


 48.3117, 65.6106,
69.1493


 48.3117, 65.6106,
69.1493

370.5884,
444.9830, 476.2656


 34.2861, 47.9564,
50.3608


 86.8752, 112.9273,
119.6645

 23.2774, 33.7923,
35.3270


 112.1438,
143.3585, 152.2283

 14.9203, 22.7341,
23.6293


 141.8907,
178.8175, 190.2209

 8.8494, 14.3973,
14.8492

176.4814,
219.6886, 234.0609

 4.6994, 8.3975,
8.5682

216.2811,
266.3564, 284.1668

 2.1049, 4.3503,
4.3677

261.6553,

 0.6919, 1.8714,

319.2051, 340.9572

1.8291

312.9693,
378.6191, 404.8506

■ 0.0000, 0.5311,
0.4471

■ 0.0000, 0.0000,
0.0000

■ 48.3117, 65.6106,
69.1493

■ 48.3117, 65.6106,
69.1493

■ 44.6519, 63.7970,
65.7541

■ 52.7775, 67.8407,
72.6917

■ 41.7385, 62.3641,
62.4981


■ 58.0927, 70.5046,
76.3801


■ 39.5123, 61.2832,
59.3789


■ 64.3042, 73.6282,
80.2190


■ 37.9026, 60.5178,
56.3922


■ 71.4538, 77.2331,
84.2115

 36.8228, 60.0233,
53.5329


 79.5807, 81.3392,
88.3602

 36.3981, 59.8359,
52.0877

 84.9442, 84.0183,
92.4910

 85.7091, 84.3243,
96.5190

 86.4957, 84.6389,
100.6613

 87.3042, 84.9623,
104.9188

Harmonies

Analogous

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



50.4066, 65.6106, 50.1395



48.3117, 65.6106, 69.1493



49.7087, 65.6106, 93.1812

Triad

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



48.3117, 65.6106, 69.1493



69.5510, 65.6106, 117.9744



71.0672, 65.6106, 40.6705

Complementary

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



48.3117, 65.6106, 69.1493



45.7298, 34.2056, 33.0488

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.



76.9962, 65.6106, 53.3725



48.3117, 65.6106, 69.1493



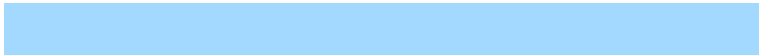
76.0699, 65.6106, 98.0491

Square

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



48.3117, 65.6106, 69.1493



61.5563, 65.6106, 124.6606



78.8996, 65.6106, 73.7783



63.1725, 65.6106, 36.0413

Rectangle

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



48.3117, 65.6106, 69.1493



52.5033, 65.6106, 108.4432



78.8996, 65.6106, 73.7783



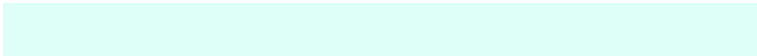
73.3810, 65.6106, 43.9852

Sweetspot

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



48.3136, 65.6132, 69.1508



82.7191, 93.7782, 102.2206



44.8983, 64.7111, 30.2041



17.3012, 19.8689, 21.6438



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.



48.3136, 65.6132, 69.1508



56.6248, 80.7180, 83.2936



44.2832, 52.7193, 82.7077



14.6625, 16.2784, 17.7532



20.6538, 33.8936, 29.7408



1.5602, 2.5182, 2.3768

Inverse Universe

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



45.7298, 34.2056, 33.0488



52.9857, 36.1924, 32.2315



48.0988, 41.6229, 25.5789



14.5081, 14.4204, 15.6102



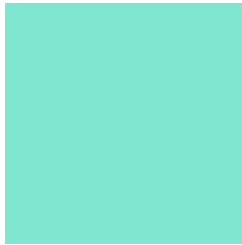
18.8557, 9.6765, 2.8692



1.4279, 0.7289, 0.3940

Previews

White Background



This preview shows how the XYZ color 48.3117, 65.6106, 69.1493 looks on a white background.

Color Contrast Check

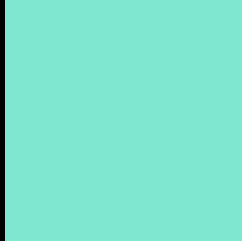
Large Text (above 18pt) WCAG AA × Fail

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 48.3117, 65.6106, 69.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

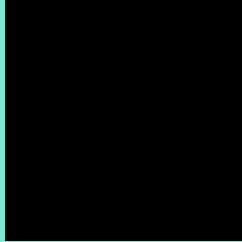
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

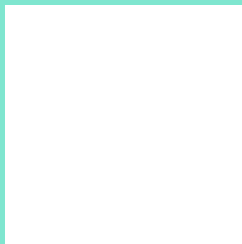
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3117, 65.6106, 69.1493

Background



This preview shows how black text looks on a background with the XYZ color 48.3117, 65.6106, 69.1493.

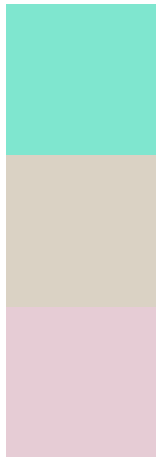


This preview shows how white text looks on a background with the XYZ color 48.3117, 65.6106,

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

48.3117, 65.6106, 69.1493

Protanopia

61.9238, 64.9841, 61.5040

Deuteranopia

66.2362, 64.8128, 71.9699



Tritanopia

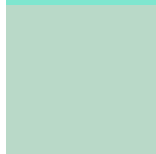
53.4194, 65.6399, 94.6483

Trichromacy



Original Color

48.3117, 65.6106, 69.1493



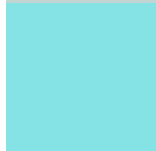
Protanomaly

55.2458, 64.1101, 64.1063



Deuteranomaly

57.5444, 63.6291, 70.8767



Tritanomaly

51.4249, 65.6379, 84.8219

Monochromacy



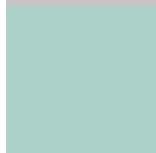
Original Color

48.3117, 65.6106, 69.1493



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.3563, 58.5886, 63.9130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3117, 65.6106, 69.1493 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(127, 230, 207)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 207)  
}
```

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(127, 230, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 207) }
```

Border

The CSS property to change the border of an element to XYZ 48.3117, 65.6106, 69.1493 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(127, 230, 207) }
```


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

```
.border{ border-color:rgb(127, 230, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 230, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 207);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3117, 65.6106, 69.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 207) }
```

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

```
.background{ background-color: rgb(127,  
230, 207) }
```

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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