

Converting Colors

XYZ(46.0452, 63.6139, 58.6911)

Have a look what the booklet for
XYZ(46.0452, 63.6139, 58.6911)
contains.

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Color

**XYZ(45.9693, 63.4017,
58.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	82E3BE
RGB	130, 227, 190
RGB Percent	51%, 89%, 75%
CMY	0.4902, 0.1098, 0.2549
CMYK	0.43, 0.00, 0.16, 0.11
HSL	157°, 63%, 70%
HSV	157°, 43%, 89%
XYZ	45.9693, 63.4017, 58.5301
YIQ	193.7790, -45.9350, -32.0710

Conversions

Conversions Part 2

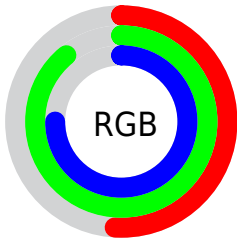
Format	Color
RYB	130, 190, 227
Decimal	8577982
CIELab	83.65, -37.06, 9.20
CIELCh	84, 38.188, 166.063
Yxy	63.4017, 0.2738, 0.3776
Android (android.graphics.Color)	4286768062 (0xFF82E3BE)
YUV	193.7790, -1.8630, -55.9342
Hunter-Lab	79.6252, -36.2923, 12.1553

Details

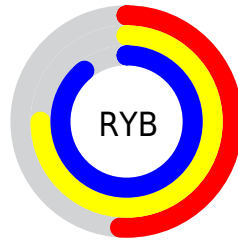
The XYZ color **45.9693, 63.4017, 58.5301** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.6384, 35.0878, 40.8763**, and the grayscale version is **51.1791, 53.8444, 58.6365**.

A 20% lighter version of the original color is **72.8881, 88.7386, 100.4754**, and **21.8259, 32.3484, 28.7604** is the 20% darker color. If you saturate the color by 10%, you get **41.9457, 61.4353, 53.5479**, and if you desaturate by 10%, it is **50.8207, 65.7917, 63.8473**.

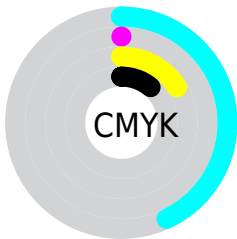
Distribution



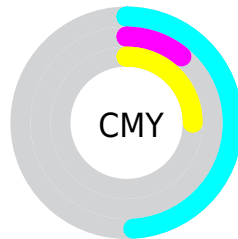
- Red (51%)
- Green (89%)
- Blue (75%)



- Red (51%)
- Yellow (75%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9693, 63.4017, 58.5301 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 45.9693, 63.4017, 58.5301 by changing the saturation by 10% instead.


 45.9693, 63.4017,
58.5301


 45.9693, 63.4017,
58.5301


361.4032,
437.0259, 436.8116


 32.4261, 46.1663,
41.8174


 83.4012, 109.7488,
104.2168

 21.8443, 32.3770,
28.6339


 108.0206,
139.6293, 134.0279

 13.8585, 21.6496,
18.5608


 137.0628,
174.4936, 169.0423

 8.1034, 13.5997,
11.1798

170.8932,
214.7261, 209.6784

 4.2135, 7.8428,
6.0722

209.8771,
260.7112, 256.3549

 1.8236, 3.9945,
2.8195

254.3798,

 0.5318, 1.6705,

312.8332, 309.4902

1.0032

304.7667,
371.4767, 369.5029

■ 0.0000, 0.4044,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9693, 63.4017,
58.5301

■ 45.9693, 63.4017,
58.5301

■ 41.9457, 61.4353,
53.5479

■ 50.8207, 65.7917,
63.8473

■ 38.6927, 59.8580,
48.8890


■ 56.5419, 68.6219,
69.5024


■ 36.1536, 58.6426,
44.5468


■ 63.1785, 71.9172,
75.5037


■ 34.2616, 57.7545,
40.5130


■ 70.7710, 75.6985,
81.8576


 32.9359, 57.1524,
36.7782

 79.3576, 79.9854,
88.5708

 32.2342, 56.8460,
34.2434

 84.7309, 82.6087,
95.4506

 86.0625, 83.1413,
102.4627

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



49.4126, 63.4017, 41.7671



45.9693, 63.4017, 58.5301



46.0983, 63.4017, 82.5697

Triad

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



45.9693, 63.4017, 58.5301



64.8190, 63.4017, 123.3873



72.1157, 63.4017, 40.9089

Complementary

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



45.9693, 63.4017, 58.5301



46.6384, 35.0878, 40.8763

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.



77.0636, 63.4017, 57.0643



45.9693, 63.4017, 58.5301



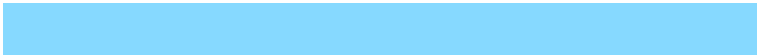
72.5922, 63.4017, 106.1514

Square

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



45.9693, 63.4017, 58.5301



56.4726, 63.4017, 124.0397



77.2456, 63.4017, 80.7242



64.2160, 63.4017, 33.3024

Rectangle

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



45.9693, 63.4017, 58.5301



48.1803, 63.4017, 99.8310



77.2456, 63.4017, 80.7242



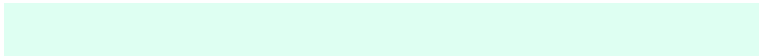
74.2101, 63.4017, 45.3272

Sweetspot

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



45.9710, 63.4043, 58.5315



81.9186, 93.4580, 98.0055



47.4755, 64.7880, 31.1233



17.1026, 19.7895, 20.5981



0.0000, 0.0000, 0.0000



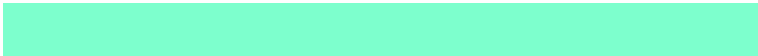
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9710, 63.4043, 58.5315



55.2768, 80.3029, 70.5919



47.5479, 59.2440, 81.6052



14.5622, 16.2383, 17.2253



18.8569, 33.1748, 20.2784



1.4384, 2.4695, 1.7352

Inverse Universe

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



46.6384, 35.0878, 40.8763



56.2619, 38.9924, 44.8918



45.2814, 37.0875, 25.8922



14.6033, 14.4585, 16.1116



19.5212, 9.9427, 6.3737



1.4867, 0.7524, 0.7035

Previews

White Background



This preview shows how the XYZ color 45.9693, 63.4017, 58.5301 looks on a white background.

Color Contrast Check

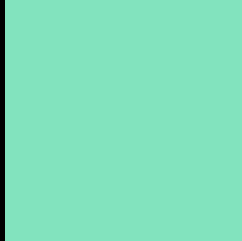
Large Text (above 18pt) WCAG AA × Fail

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 45.9693, 63.4017, 58.5301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

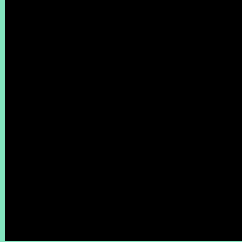
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9693, 63.4017, 58.5301

Background



This preview shows how black text looks on a background with the XYZ color 45.9693, 63.4017, 58.5301.

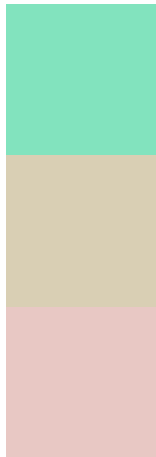


This preview shows how white text looks on a background with the XYZ color 45.9693, 63.4017,

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

45.9693, 63.4017, 58.5301

Protanopia

59.1663, 62.6726, 52.1586

Deuteranopia

63.8968, 62.4499, 60.9109



Tritanopia

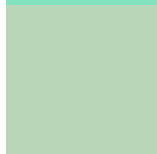
52.1811, 63.1102, 90.3202

Trichromacy



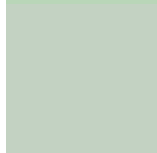
Original Color

45.9693, 63.4017, 58.5301



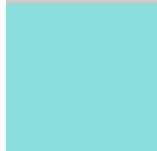
Protanomaly

52.7059, 61.8681, 54.5112



Deuteranomaly

55.2899, 61.5903, 60.0130



Tritanomaly

49.9201, 63.3991, 78.0128

Monochromacy



Original Color

45.9693, 63.4017, 58.5301



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.4915, 56.6508, 58.8310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9693, 63.4017, 58.5301 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(130, 227, 190)` looks like.

```
.text, #text, p{  
    color:rgb(130, 227, 190)  
}
```

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(130, 227, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 227, 190) }
```

Border

The CSS property to change the border of an element to XYZ 45.9693, 63.4017, 58.5301 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(130, 227, 190) }
```


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

```
.border{ border-color:rgb(130, 227, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 227, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 227, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 227, 190);  
box-shadow:4px 4px 4px 4px rgb(130, 227,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9693, 63.4017, 58.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 227, 190) }
```

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

```
.background{ background-color: rgb(130,  
227, 190) }
```

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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