

Converting Colors

XYZ(46.7554, 63.8344, 57.5611)

Have a look what the booklet for
XYZ(46.7554, 63.8344, 57.5611)
contains.

XYZ(46.6995, 63.8033, 57.4309)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6995, 63.8033,
57.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	88E3BC
RGB	136, 227, 188
RGB Percent	53%, 89%, 74%
CMY	0.4667, 0.1098, 0.2627
CMYK	0.40, 0.00, 0.17, 0.11
HSL	154°, 62%, 71%
HSV	154°, 40%, 89%
XYZ	46.6995, 63.8033, 57.4309
YIQ	195.3450, -41.7170, -31.4210

Conversions

Conversions Part 2

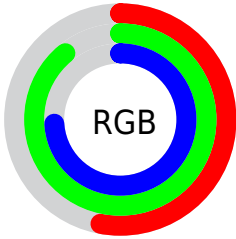
Format	Color
RYB	136, 194, 227
Decimal	8971196
CIELab	83.86, -35.90, 10.58
CIELCh	84, 37.429, 163.574
Yxy	63.8033, 0.2781, 0.3799
Android (android.graphics.Color)	4287161276 (0xFF88E3BC)
YUV	195.3450, -3.6211, -52.0456
Hunter-Lab	79.8770, -35.4259, 13.2848

Details

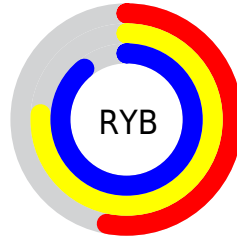
The XYZ color **46.6995, 63.8033, 57.4309** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2227, 37.0358, 45.1668**, and the grayscale version is **52.1177, 54.8318, 59.7119**.

A 20% lighter version of the original color is **74.0815, 89.3891, 98.9373**, and **22.3294, 32.6244, 28.0419** is the 20% darker color. If you saturate the color by 10%, you get **42.3825, 61.6966, 51.9380**, and if you desaturate by 10%, it is **51.8714, 66.3459, 63.3357**.

Distribution



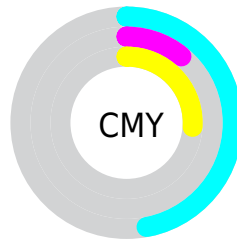
- Red (53%)
- Green (89%)
- Blue (74%)



- Red (53%)
- Yellow (76%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6995, 63.8033, 57.4309 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 46.6995, 63.8033, 57.4309 by changing the saturation by 10% instead.


 46.6995, 63.8033,
57.4309


 46.6995, 63.8033,
57.4309


364.2828,
438.4790, 432.6009


 33.0051, 46.4914,
40.9396


 84.4864, 110.3276,
102.6002

 22.2896, 32.6338,
27.9526


 109.3096,
140.3088, 132.1154

 14.1877, 21.8460,
18.0512


 138.5731,
175.2818, 166.8089

 8.3339, 13.7438,
10.8169

172.6422,
215.6311, 207.0993

 4.3629, 7.9427,
5.8312

211.8825,
261.7411, 253.4052

 1.9094, 4.0583,
2.6756


256.6590,

 0.5823, 1.7062,


313.9962, 306.1450


0.9311


307.3373,
372.7806, 365.7374


 0.0000, 0.4277,
0.0000


 0.0000, 0.0000,
0.0000


 46.6995, 63.8033,
57.4309


 46.6995, 63.8033,
57.4309


 42.3825, 61.6966,
51.9380


 51.8714, 66.3459,
63.3357


 38.8641, 59.9920,
46.8431


 57.9398, 69.3406,
69.6572


 36.0892, 58.6627,
42.1375


 64.9495, 72.8122,
76.4057


 33.9929, 57.6757,
37.8104

 72.9408, 76.7811,
83.5898

 32.4986, 56.9914,
33.8504

 81.9518, 81.2669,
91.2178

 31.4803, 56.5446,
30.2733

 85.4027, 82.8775,
98.9880

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



50.3792, 63.8033, 41.5454



46.6995, 63.8033, 57.4309



46.5285, 63.8033, 80.6563

Triad

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



46.6995, 63.8033, 57.4309



64.4324, 63.8033, 123.4739



72.8414, 63.8033, 42.6873

Complementary

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



46.6995, 63.8033, 57.4309



48.2227, 37.0358, 45.1668

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.



77.3574, 63.8033, 59.3706



46.6995, 63.8033, 57.4309



72.2142, 63.8033, 107.7356

Square

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



46.6995, 63.8033, 57.4309



56.2788, 63.8033, 122.6196



77.1180, 63.8033, 83.0861



65.2274, 63.8033, 34.4453

Rectangle

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



46.6995, 63.8033, 57.4309



48.3945, 63.8033, 97.6590



77.1180, 63.8033, 83.0861



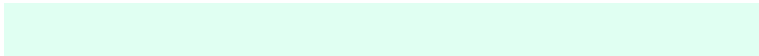
74.8016, 63.8033, 47.3071

Sweetspot

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



46.7013, 63.8059, 57.4324



82.6344, 93.8352, 97.6707



49.6917, 65.8827, 33.3909



17.4221, 19.9532, 20.6546



0.0000, 0.0000, 0.0000



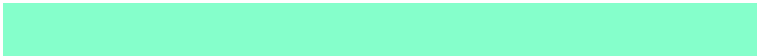
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7013, 63.8059, 57.4324



56.0947, 80.7640, 68.8459



49.8594, 62.4606, 82.1045



14.5327, 16.2265, 17.0700



18.4182, 32.9994, 17.9684



1.4074, 2.4571, 1.5717

Inverse Universe

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



48.2227, 37.0358, 45.1668



58.3361, 41.4310, 50.8540



45.8073, 37.4757, 28.1125



14.6321, 14.4700, 16.2631



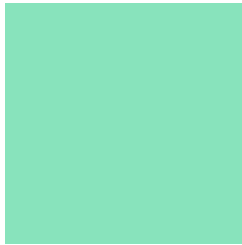
19.7971, 10.0531, 7.8265



1.5087, 0.7612, 0.8193

Previews

White Background



This preview shows how the XYZ color 46.6995, 63.8033, 57.4309 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 46.6995, 63.8033, 57.4309 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

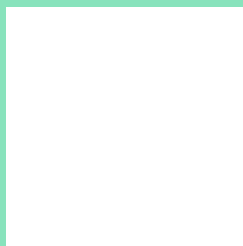
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6995, 63.8033, 57.4309

Background



This preview shows how black text looks on a background with the XYZ color 46.6995, 63.8033, 57.4309.



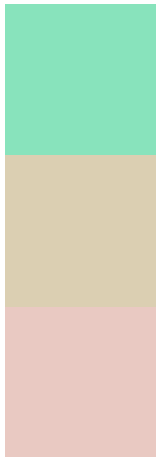
This preview shows how white text looks on a background with the XYZ color 46.6995, 63.8033,

57.4309.

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

46.6995, 63.8033, 57.4309

Protanopia

59.5621, 62.9001, 51.1211

Deuteranopia

64.2285, 62.9920, 59.8124



Tritanopia

53.2386, 63.6553, 90.3697

Trichromacy



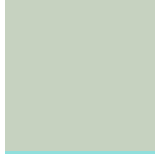
Original Color

46.6995, 63.8033, 57.4309



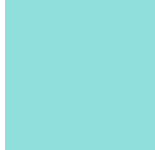
Protanomaly

53.4763, 62.2894, 53.4605



Deuteranomaly

55.8497, 61.9047, 58.8744



Tritanomaly

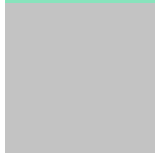
50.8075, 63.8720, 77.3608

Monochromacy



Original Color

46.6995, 63.8033, 57.4309



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.2828, 57.4301, 58.3568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6995, 63.8033, 57.4309 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(136, 227, 188)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 188)  
}
```

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(136, 227, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 188) }
```

Border

The CSS property to change the border of an element to XYZ 46.6995, 63.8033, 57.4309 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(136, 227, 188) }
```


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

```
.border{ border-color:rgb(136, 227, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 227, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 227, 188);  
box-shadow:4px 4px 4px 4px rgb(136, 227,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6995, 63.8033, 57.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 188) }
```

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

```
.background{ background-color: rgb(136,  
227, 188) }
```

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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