

Converting Colors

XYZ(46.7114, 63.2994, 62.1288)

Have a look what the booklet for
XYZ(46.7114, 63.2994, 62.1288)
contains.

XYZ(46.6759, 63.2838, 61.9795)	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(46.6759, 63.2838,
61.9795)**

Conversions

Conversions Part 1

Format	Color
Hex	84E2C4
RGB	132, 226, 196
RGB Percent	52%, 89%, 77%
CMY	0.4823, 0.1137, 0.2314
CMYK	0.42, 0.00, 0.13, 0.11
HSL	161°, 62%, 70%
HSV	161°, 42%, 89%
XYZ	46.6759, 63.2838, 61.9795
YIQ	194.4740, -46.3940, -29.2580

Conversions

Conversions Part 2

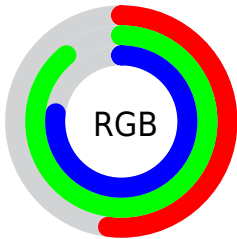
Format	Color
RYB	132, 188, 226
Decimal	8708804
CIELab	83.59, -34.80, 5.96
CIElCh	84, 35.303, 170.285
Yxy	63.2838, 0.2715, 0.3681
Android (android.graphics.Color)	4286898884 (0xFF84E2C4)
YUV	194.4740, 0.7523, -54.7897
Hunter-Lab	79.5511, -34.4812, 9.4920

Details

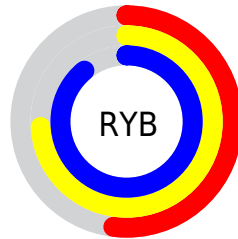
The XYZ color **46.6759, 63.2838, 61.9795** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.1390, 35.2815, 38.5631**, and the grayscale version is **51.5759, 54.2619, 59.0912**.

A 20% lighter version of the original color is **74.4759, 89.4307, 106.2651**, and **22.2377, 32.2389, 30.6419** is the 20% darker color. If you saturate the color by 10%, you get **42.7161, 61.3367, 57.6116**, and if you desaturate by 10%, it is **51.4442, 65.6464, 66.5941**.

Distribution



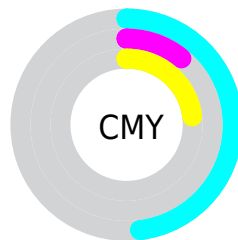
- Red (52%)
- Green (89%)
- Blue (77%)



- Red (52%)
- Yellow (74%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (48%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6759, 63.2838, 61.9795 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 46.6759, 63.2838, 61.9795 by changing the saturation by 10% instead.


 46.6759, 63.2838,
61.9795


 46.6759, 63.2838,
61.9795


364.1899,
436.5987, 449.8619


 32.9864, 46.0708,
44.5805


 84.4513, 109.5788,
109.2672

 22.2752, 32.3017,
30.7866


 109.2680,
139.4297, 139.9930

 14.1770, 21.5921,
20.1793


 138.5243,
174.2620, 175.9980

 8.3264, 13.5575,
12.3401

172.5858,
214.4601, 217.7009

 4.3581, 7.8135,
6.8504

211.8178,
260.4085, 265.5202

 1.9066, 3.9759,
3.2917

256.5855,

 0.5807, 1.6601,

312.4914, 319.8745

1.2454

307.2545,
371.0934, 381.1822

■ 0.0000, 0.3976,
0.0164

■ 0.0000, 0.0000,
0.0000

■ 46.6759, 63.2838,
61.9795

■ 46.6759, 63.2838,
61.9795

■ 42.7161, 61.3367,
57.6116

■ 51.4442, 65.6464,
66.5941

■ 39.5091, 59.7716,
53.4808


■ 57.0617, 68.4406,
71.4559


■ 37.0003, 58.5619,
49.5830


■ 63.5727, 71.6906,
76.5713


■ 35.1249, 57.6744,
45.9122


■ 71.0166, 75.4169,
81.9446

 33.8055, 57.0692,
42.4616

 79.4306, 79.6384,
87.5804

 33.0194, 56.7238,
39.7238

 84.0592, 81.9037,
93.2585

 85.1482, 82.3393,
98.9932

 86.2803, 82.7921,
104.9546

 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



49.4409, 63.2838, 45.1603



46.6759, 63.2838, 61.9795



47.2760, 63.2838, 84.7151

Triad

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



46.6759, 63.2838, 61.9795



65.4423, 63.2838, 116.9516



70.1386, 63.2838, 41.1105

Complementary

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



46.6759, 63.2838, 61.9795



46.1390, 35.2815, 38.5631

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.



75.1702, 63.2838, 55.1961



46.6759, 63.2838, 61.9795



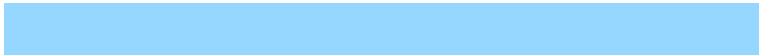
72.3021, 63.2838, 99.7854

Square

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



46.6759, 63.2838, 61.9795



57.6798, 63.2838, 119.8588



75.9941, 63.2838, 76.3287



62.6884, 63.2838, 34.9301

Rectangle

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



46.6759, 63.2838, 61.9795



49.5243, 63.2838, 100.2007



75.9941, 63.2838, 76.3287



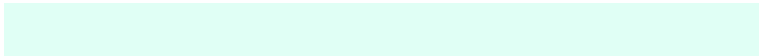
72.1948, 63.2838, 44.9162

Sweetspot

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



46.6777, 63.2863, 61.9810



83.1417, 94.0381, 100.3423



46.5358, 63.8831, 31.7088



17.5417, 20.0011, 21.2844



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.



46.6777, 63.2863, 61.9810



56.7638, 80.9412, 76.4548



46.3742, 56.6569, 80.4462



13.9207, 15.4940, 16.6176



18.8931, 32.3821, 22.9578



1.3498, 2.2606, 1.8030

Inverse Universe

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



46.1390, 35.2815, 38.5631



55.9801, 39.4026, 41.7957



46.0686, 38.9118, 26.9135



13.8866, 13.7723, 15.1730



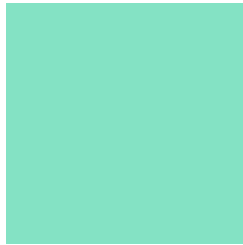
18.6109, 9.5113, 4.6166



1.3298, 0.6752, 0.5297

Previews

White Background



This preview shows how the XYZ color 46.6759, 63.2838, 61.9795 looks on a white background.

Color Contrast Check

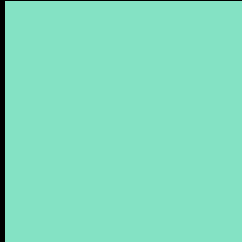
Large Text (above 18pt) WCAG AA × Fail

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 46.6759, 63.2838, 61.9795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

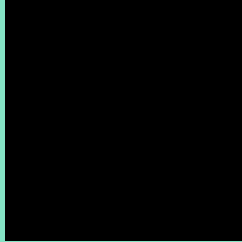
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6759, 63.2838, 61.9795

Background



This preview shows how black text looks on a background with the XYZ color 46.6759, 63.2838, 61.9795.



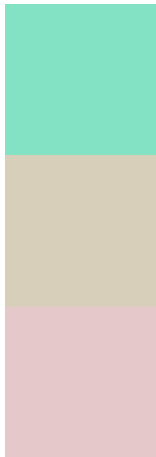
This preview shows how white text looks on a background with the XYZ color 46.6759, 63.2838,

61.9795.

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

46.6759, 63.2838, 61.9795

Protanopia

59.4947, 62.7697, 55.4344

Deuteranopia

63.5100, 62.1836, 63.9136



Tritanopia

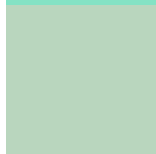
52.3535, 63.1991, 90.3282

Trichromacy



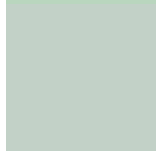
Original Color

46.6759, 63.2838, 61.9795



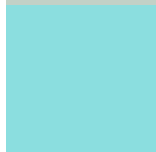
Protanomaly

53.3484, 62.1251, 57.8948



Deuteranomaly

55.3574, 61.1938, 62.9268



Tritanomaly

50.0880, 63.0592, 79.3438

Monochromacy



Original Color

46.6759, 63.2838, 61.9795



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.7162, 56.7407, 60.0142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6759, 63.2838, 61.9795 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(132, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(132, 226, 196)  
}
```

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(132, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 226, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.6759, 63.2838, 61.9795 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(132, 226, 196) }
```


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

```
.border{ border-color:rgb(132, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 226, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 226, 196); box-shadow:4px 4px 4px 4px rgb(132, 226, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6759, 63.2838, 61.9795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 226, 196) }
```

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

```
.background{ background-color: rgb(132,  
226, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor