

Converting Colors

XYZ(47.9066, 66.3771, 63.7906)

Have a look what the booklet for
XYZ(47.9066, 66.3771, 63.7906)
contains.

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Color

**XYZ(47.9517, 66.3796,
63.7113)**

Conversions

Conversions Part 1

Format	Color
Hex	80E8C6
RGB	128, 232, 198
RGB Percent	50%, 91%, 78%
CMY	0.4980, 0.0902, 0.2235
CMYK	0.45, 0.00, 0.15, 0.09
HSL	160°, 69%, 71%
HSV	160°, 45%, 91%
XYZ	47.9517, 66.3796, 63.7113
YIQ	197.0280, -51.0700, -32.6220

Conversions

Conversions Part 2

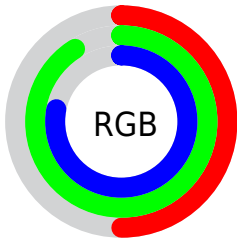
Format	Color
RYB	128, 190, 232
Decimal	8448198
CIELab	85.19, -38.12, 7.18
CIELCh	85, 38.795, 169.330
Yxy	66.3796, 0.2693, 0.3728
Android (android.graphics.Color)	4286638278 (0xFF80E8C6)
YUV	197.0280, 0.4792, -60.5376
Hunter-Lab	81.4737, -37.5220, 10.6676

Details

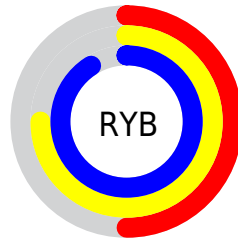
The XYZ color **47.9517, 66.3796, 63.7113** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.5216, 35.2044, 38.4753**, and the grayscale version is **53.1086, 55.8744, 60.8472**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **23.0852, 34.3664, 31.8022** is the 20% darker color. If you saturate the color by 10%, you get **44.0002, 64.4428, 59.0740**, and if you desaturate by 10%, it is **52.7485, 68.7505, 68.6198**.

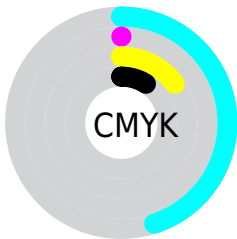
Distribution



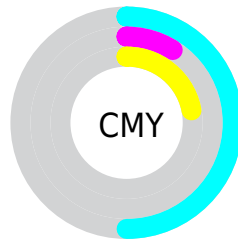
- Red (50%)
- Green (91%)
- Blue (78%)



- Red (50%)
- Yellow (75%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)




- Cyan (50%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9517, 66.3796, 63.7113 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 47.9517, 66.3796, 63.7113 by changing the saturation by 10% instead.

 47.9517, 66.3796,
63.7113


 47.9517, 66.3796,
63.7113


369.1864,
447.7332, 456.3252


 33.9997, 48.5806,
45.9722


 86.3426, 114.0310,
111.7905

 23.0563, 34.2869,
31.8754

 111.5123,
144.6522, 142.9677

 14.7560, 23.1141,
21.0023


 141.1519,
180.3162, 179.4614

 8.7335, 14.6778,
12.9344

175.6268,
221.4076, 221.6900

 4.6235, 8.5936,
7.2532

215.3023,
268.3105, 270.0721

 2.0606, 4.4770,
3.5401

260.5439,

 0.6676, 1.9438,

321.4095, 325.0264

1.3766

311.7168,
381.0890, 386.9712

■ 0.0000, 0.5745,
0.1234

■ 0.0000, 0.0000,
0.0000

■ 47.9517, 66.3796,
63.7113

■ 47.9517, 66.3796,
63.7113

■ 44.0002, 64.4428,
59.0740

■ 52.7485, 68.7505,
68.6198

■ 40.8326, 62.9035,
54.6973


■ 58.4355, 71.5735,
73.8006


■ 38.3882, 61.7320,
50.5766


■ 65.0611, 74.8751,
79.2605


■ 36.5941, 60.8909,
46.7049


■ 72.6683, 78.6775,
85.0046


 35.3612, 60.3344,
43.0745

 81.2975, 83.0015,
91.0379

 34.8714, 60.1210,
41.2868

 86.3530, 85.4776,
97.1482

 87.5258, 85.9468,
103.3241

 88.1478, 86.1955,
106.5993

Harmonies

Analogous

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



51.1649, 66.3796, 45.1879



47.9517, 66.3796, 63.7113



48.5017, 66.3796, 89.4388

Triad

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



47.9517, 66.3796, 63.7113



68.8300, 66.3796, 127.9871



74.7117, 66.3796, 41.5276

Complementary

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



47.9517, 66.3796, 63.7113



47.5216, 35.2044, 38.4753

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.



80.3486, 66.3796, 57.4627



47.9517, 66.3796, 63.7113



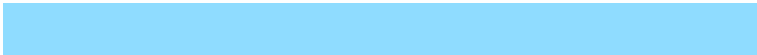
76.7416, 66.3796, 108.4713

Square

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



47.9517, 66.3796, 63.7113



60.0257, 66.3796, 130.7648



81.1241, 66.3796, 81.5760



66.2606, 66.3796, 34.4946

Rectangle

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



47.9517, 66.3796, 63.7113



50.9450, 66.3796, 107.3424



81.1241, 66.3796, 81.5760



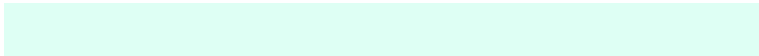
77.0305, 66.3796, 45.8227

Sweetspot

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



47.9535, 66.3823, 63.7128



82.1920, 93.5674, 99.4452



47.7910, 67.0259, 30.8415



17.1703, 19.8165, 20.9547



0.0000, 0.0000, 0.0000



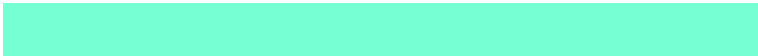
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9535, 66.3823, 63.7128



54.7669, 79.9749, 73.5100



47.6852, 58.8491, 85.1927



14.5965, 16.2520, 17.4061



19.4188, 33.3996, 23.2375



1.4773, 2.4850, 1.9399

Inverse Universe

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



47.5216, 35.2044, 38.4753



54.1864, 36.6726, 38.5543



47.3534, 39.0689, 25.4683



14.5703, 14.4453, 15.9376



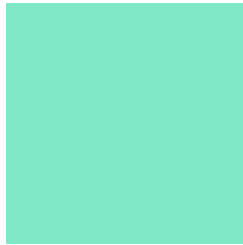
19.2479, 9.8334, 4.9346



1.4639, 0.7433, 0.5833

Previews

White Background



This preview shows how the XYZ color 47.9517, 66.3796, 63.7113 looks on a white background.

Color Contrast Check

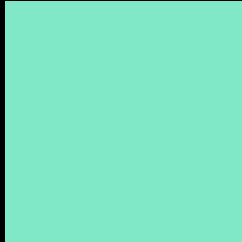
Large Text (above 18pt) WCAG AA × Fail

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 47.9517, 66.3796, 63.7113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

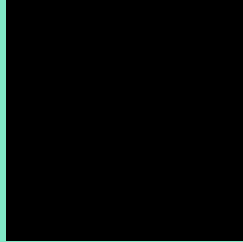
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9517, 66.3796, 63.7113

Background



This preview shows how black text looks on a background with the XYZ color 47.9517, 66.3796, 63.7113.

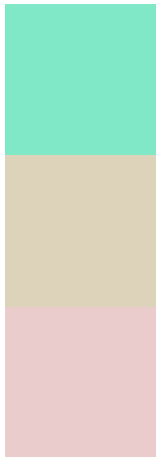


This preview shows how white text looks on a background with the XYZ color 47.9517, 66.3796,

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

47.9517, 66.3796, 63.7113

Protanopia

62.0827, 65.5485, 56.3937

Deuteranopia

66.7529, 65.2075, 66.1948



Tritanopia

54.3407, 66.4998, 95.5596

Trichromacy



Original Color

47.9517, 66.3796, 63.7113



Protanomaly

55.2290, 64.9894, 58.9235



Deuteranomaly

57.4722, 64.0932, 65.2192



Tritanomaly

51.7619, 66.2671, 82.7357

Monochromacy



Original Color

47.9517, 66.3796, 63.7113



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.1379, 58.8951, 61.5487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9517, 66.3796, 63.7113 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(128, 232, 198)` looks like.

```
.text, #text, p{  
    color:rgb(128, 232, 198)  
}
```

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(128, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 232, 198) }
```

Border

The CSS property to change the border of an element to XYZ 47.9517, 66.3796, 63.7113 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(128, 232, 198) }
```


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

```
.border{ border-color:rgb(128, 232, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 232, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 232, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 232, 198);  
box-shadow:4px 4px 4px 4px rgb(128, 232,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9517, 66.3796, 63.7113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 232, 198) }
```

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

```
.background{ background-color: rgb(128,  
232, 198) }
```

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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