

Converting Colors

XYZ(47.9668, 66.9082, 62.0114)

Have a look what the booklet for
XYZ(47.9668, 66.9082, 62.0114)
contains.

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Color

**XYZ(47.8913, 66.8072,
62.0007)**

Conversions

Conversions Part 1

Format	Color
Hex	80E9C3
RGB	128, 233, 195
RGB Percent	50%, 91%, 76%
CMY	0.4980, 0.0863, 0.2353
CMYK	0.45, 0.00, 0.16, 0.09
HSL	158°, 70%, 71%
HSV	158°, 45%, 91%
XYZ	47.8913, 66.8072, 62.0007
YIQ	197.2730, -50.3820, -34.0780

Conversions

Conversions Part 2

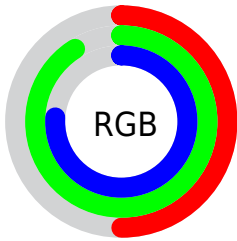
Format	Color
RYB	128, 192, 233
Decimal	8448451
CIELab	85.41, -39.23, 9.07
CIELCh	85, 40.260, 166.984
Yxy	66.8072, 0.2710, 0.3781
Android (android.graphics.Color)	4286638531 (0xFF80E9C3)
YUV	197.2730, -1.1206, -60.7524
Hunter-Lab	81.7357, -38.4491, 12.2405

Details

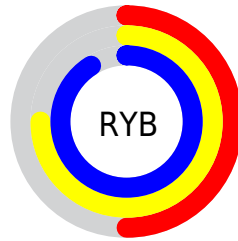
The XYZ color **47.8913, 66.8072, 62.0007** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2086, 35.5167, 40.3933**, and the grayscale version is **53.2657, 56.0397, 61.0272**.

A 20% lighter version of the original color is **73.3383, 88.8626, 105.3823**, and **23.0556, 34.6695, 30.6760** is the 20% darker color. If you saturate the color by 10%, you get **43.8545, 64.8350, 56.9751**, and if you desaturate by 10%, it is **52.7903, 69.2212, 67.3506**.

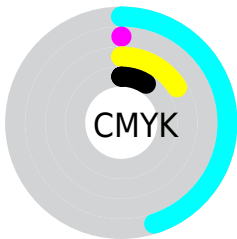
Distribution



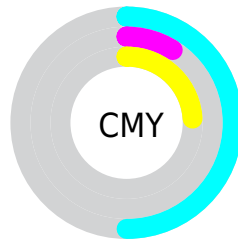
- Red (50%)
- Green (91%)
- Blue (76%)



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



- Cyan (45%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (50%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8913, 66.8072, 62.0007 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 47.8913, 66.8072, 62.0007 by changing the saturation by 10% instead.


 47.8913, 66.8072,
62.0007


 47.8913, 66.8072,
62.0007

368.9509,
449.2582, 449.9414


 33.9517, 48.9280,
44.5975


 86.2532, 114.6441,
109.2981

 23.0192, 34.5623,
30.7999


 111.4062,
145.3706, 140.0294

 14.7285, 23.3259,
20.1893


 141.0278,
181.1482, 176.0405

 8.7141, 14.8344,
12.3473

175.4832,
222.3614, 217.7499

 4.6108, 8.7032,
6.8553

215.1379,
269.3947, 265.5761

 2.0532, 4.5481,
3.2947

260.3572,

 0.6636, 1.9847,

322.6323, 319.9378

1.2470

311.5064,
382.4586, 381.2533

■ 0.0000, 0.5985,
0.0177

■ 0.0000, 0.0000,
0.0000

■ 47.8913, 66.8072,
62.0007

■ 47.8913, 66.8072,
62.0007

■ 43.8545, 64.8350,
56.9751

■ 52.7903, 69.2212,
67.3506

■ 40.6176, 63.2672,
52.2621


■ 58.5974, 72.0952,
73.0273


■ 38.1186, 62.0739,
47.8555


■ 65.3616, 75.4562,
79.0387


■ 36.2834, 61.2169,
43.7469

■ 73.1269, 79.3268,
85.3913

 35.0212, 60.6494,
39.9272

 81.9342, 83.7280,
92.0911

 34.5390, 60.4398,
38.1436

 86.9533, 86.1695,
98.9163

 88.2747, 86.6981,
105.8750

 88.4301, 86.7603,
106.6934

Harmonies

Analogous

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



51.5139, 66.8072, 43.5638



47.8913, 66.8072, 62.0007



48.1523, 66.8072, 88.4292

Triad

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



47.8913, 66.8072, 62.0007



68.7626, 66.8072, 132.1614



76.2361, 66.8072, 41.8393

Complementary

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



47.8913, 66.8072, 62.0007



48.2086, 35.5167, 40.3933

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.



81.8007, 66.8072, 59.0287



47.8913, 66.8072, 62.0007



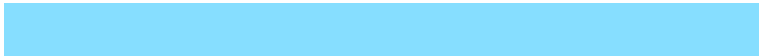
77.2105, 66.8072, 112.6901

Square

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



47.8913, 66.8072, 62.0007



59.6278, 66.8072, 133.5066



82.1735, 66.8072, 84.6566



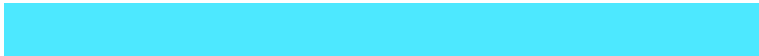
67.5326, 66.8072, 33.9451

Rectangle

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



47.8913, 66.8072, 62.0007



50.4883, 66.8072, 107.3528



82.1735, 66.8072, 84.6566



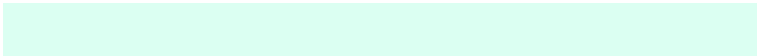
78.5706, 66.8072, 46.5059

Sweetspot

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



47.8931, 66.8099, 62.0022



81.1027, 93.0422, 97.7513



48.8682, 68.0003, 30.9727



16.9465, 19.7094, 20.5709



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.



47.8931, 66.8099, 62.0022



54.1757, 79.7384, 70.3967



48.9437, 61.1380, 86.3153



15.2729, 17.0240, 18.1199



19.6588, 34.3180, 21.9661



1.5895, 2.7131, 1.9661

Inverse Universe

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



48.2086, 35.5167, 40.3933



54.6240, 36.8477, 40.8588



47.1756, 38.2298, 25.3156



15.2908, 15.1442, 16.8164



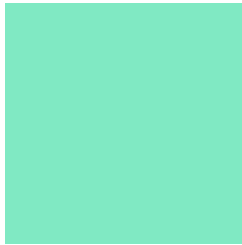
20.0372, 10.2176, 5.9974



1.6181, 0.8202, 0.7063

Previews

White Background



This preview shows how the XYZ color 47.8913, 66.8072, 62.0007 looks on a white background.

Color Contrast Check

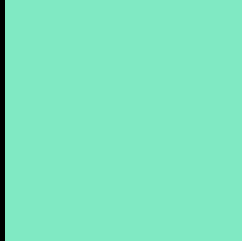
Large Text (above 18pt) WCAG AA × Fail

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 47.8913, 66.8072, 62.0007 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

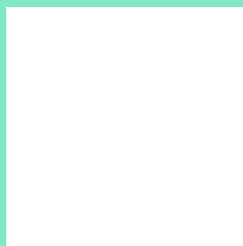
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8913, 66.8072, 62.0007

Background



This preview shows how black text looks on a background with the XYZ color 47.8913, 66.8072, 62.0007.



This preview shows how white text looks on a background with the XYZ color 47.8913, 66.8072,

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

47.8913, 66.8072, 62.0007

Protanopia

62.3194, 66.0773, 54.8170

Deuteranopia

67.2990, 65.8842, 64.4282



Tritanopia

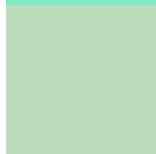
54.5100, 66.5871, 95.5676

Trichromacy



Original Color

47.8913, 66.8072, 62.0007



Protanomaly

55.4093, 65.5086, 57.3010



Deuteranomaly

57.6352, 64.5947, 63.4632



Tritanomaly

51.9001, 66.7638, 82.1028

Monochromacy



Original Color

47.8913, 66.8072, 62.0007



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.0237, 58.8494, 60.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8913, 66.8072, 62.0007 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, 233, 195)` looks like.

```
.text, #text, p{  
    color:rgb(128, 233, 195)  
}
```

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, 233, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 233, 195) }
```

Border

The CSS property to change the border of an element to XYZ 47.8913, 66.8072, 62.0007 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, 233, 195) }
```


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

```
.border{ border-color:rgb(128, 233, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 233, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 233, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 233, 195); box-shadow:4px 4px 4px 4px rgb(128, 233, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8913, 66.8072, 62.0007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 233, 195) }
```

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

```
.background{ background-color: rgb(128,  
233, 195) }
```

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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