

Converting Colors

XYZ(48.8812, 66.8588, 63.7548)

Have a look what the booklet for
XYZ(48.8812, 66.8588, 63.7548)
contains.

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Color

**XYZ(48.8812, 66.8588,
63.7548)**

Conversions

Conversions Part 1

Format	Color
Hex	86E8C6
RGB	134, 232, 198
RGB Percent	53%, 91%, 78%
CMY	0.4745, 0.0902, 0.2235
CMYK	0.42, 0.00, 0.15, 0.09
HSL	159°, 68%, 72%
HSV	159°, 42%, 91%
XYZ	48.8812, 66.8588, 63.7548
YIQ	198.8220, -47.4940, -31.3500

Conversions

Conversions Part 2

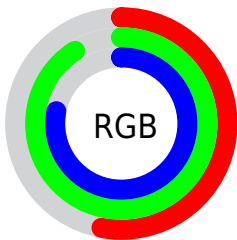
Format	Color
RYB	134, 193, 232
Decimal	8841414
CIELab	85.43, -36.62, 7.56
CIELCh	85, 37.388, 168.328
Yxy	66.8588, 0.2723, 0.3725
Android (android.graphics.Color)	4287031494 (0xFF86E8C6)
YUV	198.8220, -0.4052, -56.8489
Hunter-Lab	81.7672, -36.3837, 11.0080

Details

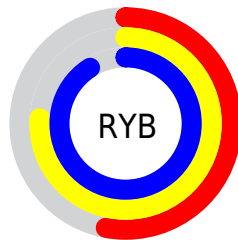
The XYZ color **48.8812, 66.8588, 63.7548** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.8740, 37.0349, 41.6210**, and the grayscale version is **54.2020, 57.0248, 62.1000**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **23.6199, 34.6421, 31.8272** is the 20% darker color. If you saturate the color by 10%, you get **44.6776, 64.7979, 58.8403**, and if you desaturate by 10%, it is **53.9490, 69.3629, 68.9702**.

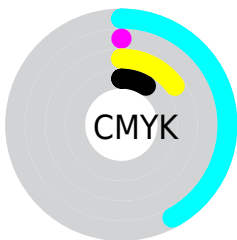
Distribution



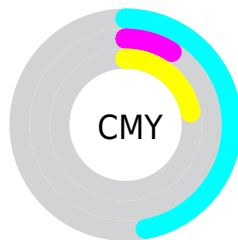
- Red (53%)
- Green (91%)
- Blue (78%)



- Red (53%)
- Yellow (76%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (47%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8812, 66.8588, 63.7548 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 48.8812, 66.8588, 63.7548 by changing the saturation by 10% instead.


 48.8812, 66.8588,
63.7548


 48.8812, 66.8588,
63.7548


372.7992,
449.4420, 456.4868


 34.7394, 48.9699,
46.0072


 87.7168, 114.7181,
111.8538

 23.6278, 34.5956,
31.9028


 113.1412,
145.4572, 143.0423

 15.1810, 23.3515,
21.0231


 143.0573,
181.2485, 179.5481

 9.0336, 14.8533,
12.9494

177.8304,
222.4765, 221.7899

 4.8204, 8.7165,
7.2634

217.8257,
269.5254, 270.1861

 2.1760, 4.5567,
3.5465

263.4087,

 0.7300, 1.9896,

322.7797, 325.1553

1.3800

314.9447,
382.6238, 387.1160

■ 0.0000, 0.6014,
0.1260

■ 0.0000, 0.0000,
0.0000

■ 48.8812, 66.8588,
63.7548

■ 48.8812, 66.8588,
63.7548

■ 44.6776, 64.7979,
58.8403

■ 53.9490, 69.3629,
68.9702

■ 41.2782, 63.1443,
54.2157


■ 59.9249, 72.3277,
74.4883


■ 38.6240, 61.8694,
49.8756


■ 66.8563, 75.7791,
80.3163


■ 36.6452, 60.9371,
45.8126


■ 74.7859, 79.7392,
86.4600


 35.2577, 60.3044,
42.0184

 83.7533, 84.2283,
92.9249

 34.4851, 59.9665,
39.2522

 86.7784, 85.6478,
99.3879

 88.0432, 86.1538,
106.0482

 88.1478, 86.1956,
106.5993

Harmonies

Analogous

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



52.1308, 66.8588, 45.9585



48.8812, 66.8588, 63.7548



49.2937, 66.8588, 88.4894

Triad

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



48.8812, 66.8588, 63.7548



68.8130, 66.8588, 126.7232



75.0145, 66.8588, 43.1947

Complementary

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



48.8812, 66.8588, 63.7548



48.8740, 37.0349, 41.6210

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.



80.3135, 66.8588, 59.0805



48.8812, 66.8588, 63.7548



76.5195, 66.8588, 108.4621

Square

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



48.8812, 66.8588, 63.7548



60.3058, 66.8588, 128.7645



80.8876, 66.8588, 82.6580



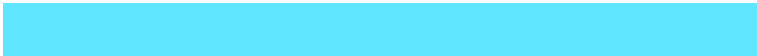
66.9028, 66.8588, 35.9781

Rectangle

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



48.8812, 66.8588, 63.7548



51.5969, 66.8588, 105.7625



80.8876, 66.8588, 82.6580



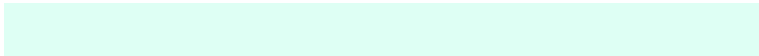
77.2136, 66.8588, 47.5115

Sweetspot

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



48.8831, 66.8615, 63.7563



82.0913, 93.5271, 98.9150



49.3742, 67.7951, 33.0388



17.1454, 19.8066, 20.8233



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.



48.8831, 66.8615, 63.7563



55.8278, 80.5233, 73.4932



49.2894, 60.6776, 85.4612



14.5839, 16.2470, 17.3396



19.2056, 33.3143, 22.1148



1.4626, 2.4792, 1.8628

Inverse Universe

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



48.8740, 37.0349, 41.6210



55.8298, 38.8196, 42.6163



48.2839, 40.2789, 27.7851



14.5824, 14.4501, 16.0013



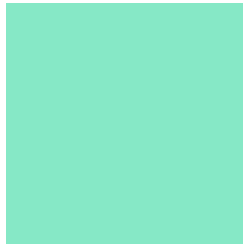
19.3427, 9.8713, 5.4336



1.4719, 0.7465, 0.6258

Previews

White Background



This preview shows how the XYZ color 48.8812, 66.8588, 63.7548 looks on a white background.

Color Contrast Check

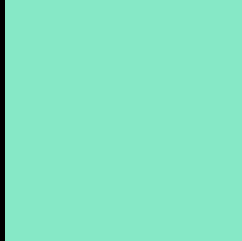
Large Text (above 18pt) WCAG AA × Fail

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 48.8812, 66.8588, 63.7548 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

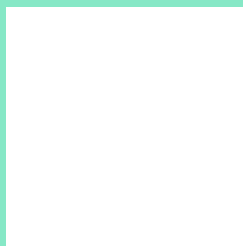
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8812, 66.8588, 63.7548

Background



This preview shows how black text looks on a background with the XYZ color 48.8812, 66.8588, 63.7548.

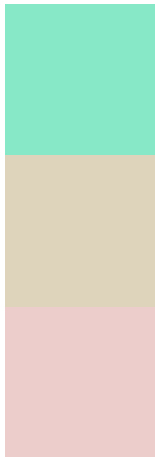


This preview shows how white text looks on a background with the XYZ color 48.8812, 66.8588,

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

48.8812, 66.8588, 63.7548

Protanopia

62.6373, 66.2044, 56.4911

Deuteranopia

67.3225, 65.8551, 66.2898



Tritanopia

55.3796, 67.0354, 95.6083

Trichromacy



Original Color

48.8812, 66.8588, 63.7548



Protanomaly

55.9707, 65.3718, 58.9583



Deuteranomaly

58.5143, 65.0073, 65.3407



Tritanomaly

52.7639, 66.7836, 82.7826

Monochromacy



Original Color

48.8812, 66.8588, 63.7548



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.2823, 59.8260, 62.8775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8812, 66.8588, 63.7548 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(134, 232, 198)` looks like.

```
.text, #text, p{  
    color:rgb(134, 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(134, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 232, 198) }
```

Border

The CSS property to change the border of an element to XYZ 48.8812, 66.8588, 63.7548 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(134, 232, 198) }
```


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

```
.border{ border-color:rgb(134, 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(134, 232, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 232, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 232, 198);  
box-shadow:4px 4px 4px 4px rgb(134, 232,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8812, 66.8588, 63.7548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 232, 198) }
```

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

```
.background{ background-color: rgb(134,  
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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