

Converting Colors

XYZ(38.4921, 54.9998, 36.5789)

Have a look what the booklet for
XYZ(38.4921, 54.9998, 36.5789)
contains.

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Color

**XYZ(38.4451, 54.8984,
36.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	81D694
RGB	129, 214, 148
RGB Percent	51%, 84%, 58%
CMY	0.4941, 0.1608, 0.4196
CMYK	0.40, 0.00, 0.31, 0.16
HSL	133°, 51%, 67%
HSV	133°, 40%, 84%
XYZ	38.4451, 54.8984, 36.5872
YIQ	181.0610, -29.4740, -38.5460

Conversions

Conversions Part 2

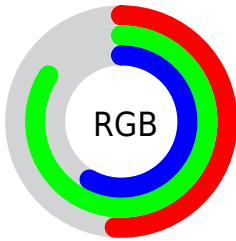
Format	Color
RYB	129, 198, 214
Decimal	8509076
CIELab	78.98, -39.63, 24.72
CIElCh	79, 46.710, 148.048
Yxy	54.8984, 0.2959, 0.4225
Android (android.graphics.Color)	4286699156 (0xFF81D694)
YUV	181.0610, -16.2991, -45.6575
Hunter-Lab	74.0935, -37.0447, 22.5881

Details

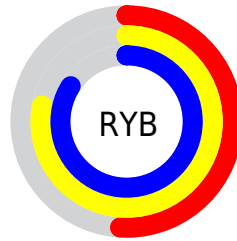
The XYZ color **38.4451, 54.8984, 36.5872** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.4339, 33.9378, 55.7876**, and the grayscale version is **44.0519, 46.3460, 50.4708**.

A 20% lighter version of the original color is **66.4283, 86.0986, 68.9947**, and **17.3798, 27.1152, 15.6270** is the 20% darker color. If you saturate the color by 10%, you get **34.3064, 52.9076, 30.0140**, and if you desaturate by 10%, it is **43.4562, 57.3202, 44.1892**.

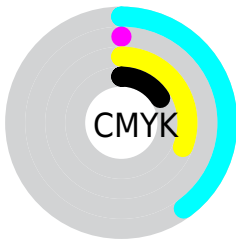
Distribution



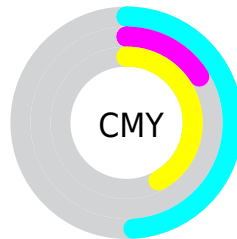
- Red (51%)
- Green (84%)
- Blue (58%)



- Red (51%)
- Yellow (78%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (16%)





- Cyan (49%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4451, 54.8984, 36.5872 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 38.4451, 54.8984, 36.5872 by changing the saturation by 10% instead.


 38.4451, 54.8984,
36.5872


 38.4451, 54.8984,
36.5872


330.7734,
405.5267, 346.6346


 26.5071, 39.3204,
24.5948


 72.0894, 97.3921,
71.1167

 17.3381, 27.0091,
15.5591


 94.5263, 125.0765,
94.4908

 10.5726, 17.5800,
9.0618


 121.1937,
157.5653, 122.4958

 5.8454, 10.6489,
4.6841

152.4568,
195.2426, 155.5504

 2.7911, 5.8313,
2.0077

188.6809,
238.4931, 194.0730

 1.0443, 2.7428,
0.5600

230.2315,

 0.0000, 0.9990,

287.7010, 238.4822

0.0000

277.4739,
343.2507, 289.1966

■ 0.0000, 0.0000,
0.0000

■ 38.4451, 54.8984,
36.5872

■ 38.4451, 54.8984,
36.5872

■ 34.3064, 52.9076,
30.0140

■ 43.4562, 57.3202,
44.1892

■ 30.9851, 51.3157,
24.4218

■ 49.3821, 60.1894,
52.8579

■ 28.4262, 50.0970,
19.7644


■ 56.2676, 63.5298,
62.6336

■ 26.5661, 49.2197,
15.9904


■ 64.1530, 67.3613,
73.5536


■ 25.3303, 48.6466,
13.0434

■ 73.0767, 71.7031,
85.6532

 24.5949, 48.3151,
10.8586

 82.1848, 76.1141,
98.9249

 24.5778, 48.3074,
10.8076

 83.3376, 76.5753,
104.9959

Harmonies

Analogous

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



44.2238, 54.8984, 25.0436



38.4451, 54.8984, 36.5872



36.2879, 54.8984, 58.0500

Triad

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



38.4451, 54.8984, 36.5872



51.5734, 54.8984, 126.8509



69.5817, 54.8984, 38.8055

Complementary

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



38.4451, 54.8984, 36.5872



45.4339, 33.9378, 55.7876

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.



72.1412, 54.8984, 61.5339



38.4451, 54.8984, 36.5872



61.0358, 54.8984, 117.2332

Square

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



38.4451, 54.8984, 36.5872



43.2871, 54.8984, 114.5251



68.8474, 54.8984, 91.1343



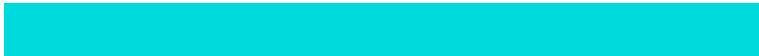
62.2128, 54.8984, 26.0316

Rectangle

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



38.4451, 54.8984, 36.5872



36.9739, 54.8984, 77.0636



68.8474, 54.8984, 91.1343



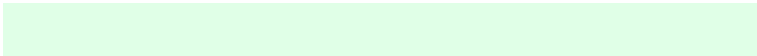
71.0688, 54.8984, 45.2872

Sweetspot

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



38.4465, 54.9007, 36.5884



81.0824, 93.2144, 89.4980



50.6678, 61.3607, 29.9426



17.0579, 19.8075, 18.7366



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.



38.4465, 54.9007, 36.5884



51.7115, 79.0107, 45.7648



42.3866, 56.4767, 57.3365



12.3750, 13.9410, 13.7890



14.8875, 29.2104, 6.7034



0.9297, 1.7745, 0.5718

Inverse Universe

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



45.4339, 33.9378, 55.7876



63.5264, 43.5072, 78.1861



41.3400, 32.3003, 34.2297



12.8287, 12.5830, 15.0381



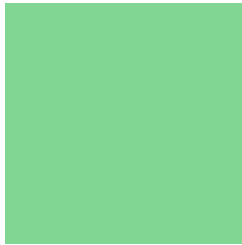
20.9720, 10.3251, 22.9546



1.2948, 0.6347, 1.5420

Previews

White Background



This preview shows how the XYZ color 38.4451, 54.8984, 36.5872 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 38.4451, 54.8984, 36.5872 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 38.4451, 54.8984, 36.5872

Background



This preview shows how black text looks on a background with the XYZ color 38.4451, 54.8984, 36.5872.

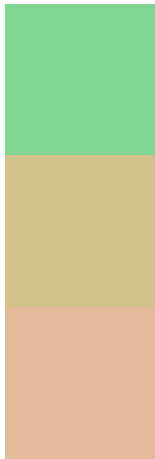


This preview shows how white text looks on a background with the XYZ color 38.4451, 54.8984,

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

38.4451, 54.8984, 36.5872

Protanopia

50.2465, 54.0030, 32.2014

Deuteranopia

55.2816, 54.2046, 38.1207



Tritanopia

46.3841, 54.8124, 76.5418

Trichromacy



Original Color

38.4451, 54.8984, 36.5872



Protanomaly

44.5915, 53.4296, 33.5539



Deuteranomaly

47.1196, 53.2759, 37.5056



Tritanomaly

42.9409, 54.4958, 59.2944

Monochromacy



Original Color

38.4451, 54.8984, 36.5872



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

41.1317, 48.6859, 44.7656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4451, 54.8984, 36.5872 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(129, 214, 148)` looks like.

```
.text, #text, p{  
    color:rgb(129, 214, 148)  
}
```

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(129, 214, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 214, 148) }
```

Border

The CSS property to change the border of an element to XYZ 38.4451, 54.8984, 36.5872 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(129, 214, 148) }
```


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

```
.border{ border-color:rgb(129, 214, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 214, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 214, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 214, 148);  
box-shadow:4px 4px 4px 4px rgb(129, 214,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4451, 54.8984, 36.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 214, 148) }
```

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

```
.background{ background-color: rgb(129,  
214, 148) }
```

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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