

Converting Colors

XYZ(35.8726, 48.7737, 35.5413)

Have a look what the booklet for
XYZ(35.8726, 48.7737, 35.5413)
contains.

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Color

**XYZ(35.9048, 48.8980,
35.5628)**

Conversions

Conversions Part 1

Format	Color
Hex	85C994
RGB	133, 201, 148
RGB Percent	52%, 79%, 58%
CMY	0.4784, 0.2117, 0.4196
CMYK	0.34, 0.00, 0.26, 0.21
HSL	133°, 39%, 65%
HSV	133°, 34%, 79%
XYZ	35.9048, 48.8980, 35.5628
YIQ	174.6260, -23.5150, -30.8990

Conversions

Conversions Part 2

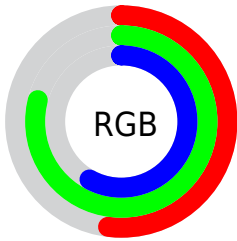
Format	Color
RYB	133, 189, 201
Decimal	8767892
CIELab	75.39, -32.47, 19.83
CIELCh	75, 38.046, 148.585
Yxy	48.8980, 0.2983, 0.4062
Android (android.graphics.Color)	4286957972 (0xFF85C994)
YUV	174.6260, -13.1266, -36.5060
Hunter-Lab	69.9271, -30.7198, 18.7959

Details

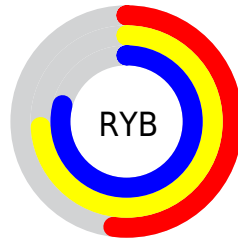
The XYZ color **35.9048, 48.8980, 35.5628** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3395, 32.7388, 50.5967**, and the grayscale version is **40.6297, 42.7456, 46.5499**.

A 20% lighter version of the original color is **67.1597, 86.4756, 69.0289**, and **15.8997, 23.4360, 14.9949** is the 20% darker color. If you saturate the color by 10%, you get **31.8727, 46.9545, 29.3335**, and if you desaturate by 10%, it is **40.7146, 51.2258, 42.7068**.

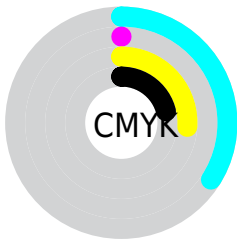
Distribution



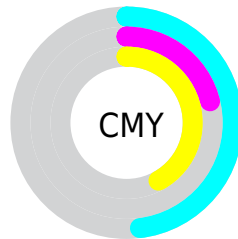
- Red (52%)
- Green (79%)
- Blue (58%)



- Red (52%)
- Yellow (74%)
- Blue (79%)



- Cyan (34%)
- Magenta (0%)
- Yellow (26%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9048, 48.8980, 35.5628 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 35.9048, 48.8980, 35.5628 by changing the saturation by 10% instead.


 35.9048, 48.8980,
35.5628


 35.9048, 48.8980,
35.5628


319.9828,
382.3406, 342.0250


 24.5304, 34.5386,
23.8097


 68.2099, 88.5399,
69.5182

 15.8544, 23.3077,
14.9816

 89.8714, 114.5912,
92.5575

 9.5114, 14.8208,
8.6600


 115.6927,
145.3086, 120.1960

 5.1360, 8.6937,
4.4263

146.0390,
181.0765, 152.8522

 2.3628, 4.5420,
1.8620

181.2759,
222.2792, 190.9447

 0.8265, 1.9811,
0.4684

221.7685,

 0.0000, 0.5965,

269.3012, 234.8920

0.0000

267.8824,
322.5269, 285.1125

■ 0.0000, 0.0000,
0.0000

■ 35.9048, 48.8980,
35.5628

■ 35.9048, 48.8980,
35.5628

■ 31.8727, 46.9545,
29.3335

■ 40.7146, 51.2258,
42.7068

■ 28.5731, 45.3686,
23.9787

■ 46.3365, 53.9507,
50.7969

■ 25.9617, 44.1196,
19.4601

■ 52.8076, 57.0927,
59.8672

■ 23.9879, 43.1825,
15.7352

■ 60.1614, 60.6682,
69.9492

■ 22.5940, 42.5284,
12.7577

■ 68.4298, 64.6930,
81.0726

■ 21.7108, 42.1227,
10.4766

■ 77.6429, 69.1822,
93.2663

■ 21.3486, 41.9596,
9.3903

■ 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



40.3261, 48.8980, 26.0484



35.9048, 48.8980, 35.5628



34.2716, 48.8980, 52.2947

Triad

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



35.9048, 48.8980, 35.5628



46.1442, 48.8980, 101.8528



59.3325, 48.8980, 36.8386

Complementary

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



35.9048, 48.8980, 35.5628



41.3395, 32.7388, 50.5967

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.



61.2803, 48.8980, 54.1999



35.9048, 48.8980, 35.5628



53.2216, 48.8980, 94.7962

Square

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



35.9048, 48.8980, 35.5628



39.8042, 48.8980, 93.4037



58.9419, 48.8980, 75.9806



53.8547, 48.8980, 26.6444

Rectangle

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



35.9048, 48.8980, 35.5628



34.8446, 48.8980, 66.5034



58.9419, 48.8980, 75.9806



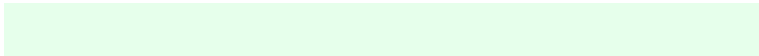
60.4447, 48.8980, 41.8716

Sweetspot

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



35.9061, 48.9000, 35.5639



83.2463, 94.2658, 92.4995



45.4367, 53.9417, 30.2077



17.4894, 20.0172, 19.3356



0.0000, 0.0000, 0.0000



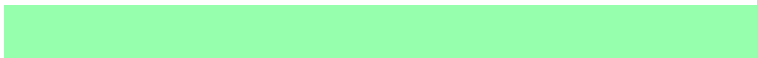
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9061, 48.9000, 35.5639



56.0132, 81.0838, 52.4942



38.9770, 50.1284, 51.7348



10.5917, 11.9256, 11.7999



13.4512, 26.3928, 6.0544



0.6650, 1.2609, 0.4345

Inverse Universe

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



41.3395, 32.7388, 50.5967



66.7749, 49.0392, 82.2435



38.1657, 31.4693, 33.8839



10.9791, 10.7750, 12.8731



18.9891, 9.3452, 20.9501



0.9246, 0.4527, 1.1263

Previews

White Background



This preview shows how the XYZ color 35.9048, 48.8980, 35.5628 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 35.9048, 48.8980, 35.5628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

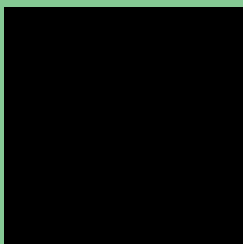
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

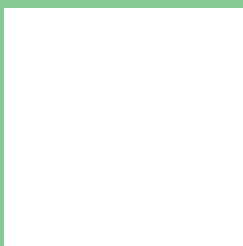
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9048, 48.8980, 35.5628

Background



This preview shows how black text looks on a background with the XYZ color 35.9048, 48.8980, 35.5628.



This preview shows how white text looks on a background with the XYZ color 35.9048, 48.8980,

35.5628.

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

35.9048, 48.8980, 35.5628

Protanopia

45.3713, 48.5971, 31.7998

Deuteranopia

49.4017, 48.4368, 36.8825



Tritanopia

42.2556, 48.7631, 67.5067

Trichromacy



Original Color

35.9048, 48.8980, 35.5628



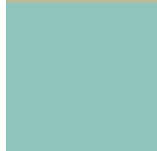
Protanomaly

41.0443, 48.2434, 33.1353



Deuteranomaly

43.1524, 47.6665, 36.2043



Tritanomaly

39.6941, 48.7304, 54.3275

Monochromacy



Original Color

35.9048, 48.8980, 35.5628



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.4292, 44.4712, 42.1557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9048, 48.8980, 35.5628 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(133, 201, 148)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 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(133, 201, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 148) }
```

Border

The CSS property to change the border of an element to XYZ 35.9048, 48.8980, 35.5628 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(133, 201, 148) }
```


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

```
.border{ border-color:rgb(133, 201, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 201, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 148);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9048, 48.8980, 35.5628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 148) }
```

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

```
.background{ background-color: rgb(133,  
201, 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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