

Converting Colors

XYZ(38.6487, 49.8872, 34.6733)

Have a look what the booklet for
XYZ(38.6487, 49.8872, 34.6733)
contains.

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Color

**XYZ(38.7915, 50.0593,
34.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	98C892
RGB	152, 200, 146
RGB Percent	60%, 78%, 57%
CMY	0.4039, 0.2157, 0.4274
CMYK	0.24, 0.00, 0.27, 0.22
HSL	113°, 33%, 68%
HSV	113°, 27%, 78%
XYZ	38.7915, 50.0593, 34.8120
YIQ	179.4920, -11.2740, -26.9700

Conversions

Conversions Part 2

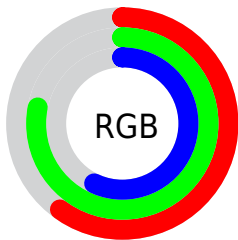
Format	Color
RYB	146, 200, 194
Decimal	10012818
CIELab	76.11, -26.12, 22.04
CIELCh	76, 34.183, 139.842
Yxy	50.0593, 0.3137, 0.4048
Android (android.graphics.Color)	4288202898 (0xFF98C892)
YUV	179.4920, -16.5116, -24.1105
Hunter-Lab	70.7526, -25.9509, 20.3547

Details

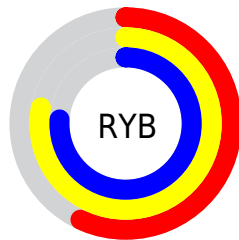
The XYZ color **38.7915, 50.0593, 34.8120** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.9545, 36.1987, 59.3693**, and the grayscale version is **43.2013, 45.4511, 49.4963**.

A 20% lighter version of the original color is **71.9175, 88.9555, 68.0233**, and **17.6000, 24.0933, 14.5493** is the 20% darker color. If you saturate the color by 10%, you get **34.2883, 47.9036, 27.1783**, and if you desaturate by 10%, it is **44.0684, 52.5853, 43.9048**.

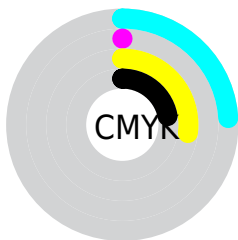
Distribution



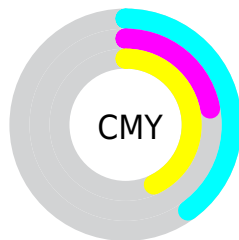
- Red (60%)
- Green (78%)
- Blue (57%)



- Red (57%)
- Yellow (78%)
- Blue (76%)



- Cyan (24%)
- Magenta (0%)
- Yellow (27%)
- Black (22%)



- Cyan (40%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7915, 50.0593, 34.8120 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 38.7915, 50.0593, 34.8120 by changing the saturation by 10% instead.

■ 38.7915, 50.0593,
34.8120

■ 38.7915, 50.0593,
34.8120

332.2257,
386.8978, 338.6167

■ 26.7776, 35.4605,
23.2357

■ 72.6158, 90.2627,
68.3427

■ 17.5420, 24.0178,
14.5607

■ 95.1569, 116.6362,
91.1342

■ 10.7193, 15.3469,
8.3685

121.9377,
147.7033, 118.5011

■ 5.9443, 9.0632,
4.2405

153.3237,
183.8485, 150.8620

■ 2.8516, 4.7824,
1.7582

189.6801,
225.4561, 188.6355

■ 1.0758, 2.1202,
0.4002

231.3723,

■ 0.0047, 0.6759,

272.9106, 232.2401

0.0000

278.7657,
326.5964, 282.0944

■ 0.0000, 0.0000,
0.0000

■ 38.7915, 50.0593,
34.8120

■ 38.7915, 50.0593,
34.8120

■ 34.2883, 47.9036,
27.1783

■ 44.0684, 52.5853,
43.9048

■ 30.5185, 46.0947,
20.9246

■ 50.1488, 55.4912,
54.5236

■ 27.4441, 44.6163,
15.9696

■ 57.0661, 58.7940,
66.7352

■ 25.0223, 43.4482,
12.2218

■ 64.8502, 62.5080,
80.6014

■ 23.2052, 42.5681,
9.5782

■ 73.5299, 66.6467,
96.1807

■ 21.9385, 41.9505,
7.9182

■ 79.9453, 69.7906,
103.8651

■ 21.1548, 41.5643,
7.0800

■ 20.9910, 41.4836,
6.9008

Harmonies

Analogous

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



43.5291, 50.0593, 27.6488



38.7915, 50.0593, 34.8120



36.4787, 50.0593, 48.5308

Triad

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



38.7915, 50.0593, 34.8120



45.4450, 50.0593, 97.0116



60.1020, 50.0593, 43.4108

Complementary

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



38.7915, 50.0593, 34.8120



42.9545, 36.1987, 59.3693

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.



60.7316, 50.0593, 60.9527



38.7915, 50.0593, 34.8120



51.8745, 50.0593, 94.7707

Square

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



38.7915, 50.0593, 34.8120



40.0859, 50.0593, 86.0747



57.6044, 50.0593, 80.5023



55.9541, 50.0593, 31.7883

Rectangle

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



38.7915, 50.0593, 34.8120



36.4688, 50.0593, 60.7463



57.6044, 50.0593, 80.5023



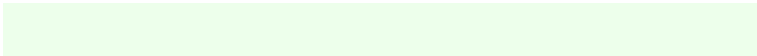
60.7455, 50.0593, 48.7085

Sweetspot

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



38.7928, 50.0614, 34.8131



85.5781, 95.4766, 92.2130



48.2350, 52.8073, 34.8454



17.9589, 20.2647, 19.1093



0.0000, 0.0000, 0.0000



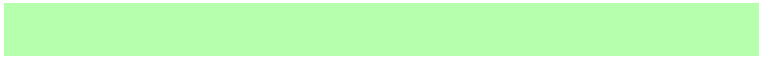
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7928, 50.0614, 34.8131



62.7430, 84.5544, 52.7521



39.4573, 50.2008, 44.0254



10.6051, 11.9433, 11.3091



13.3846, 26.3953, 4.3894



0.6715, 1.2693, 0.2096

Inverse Universe

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



42.9545, 36.1987, 59.3693



71.0536, 56.8419, 101.8344



42.2671, 36.1053, 47.5502



10.9626, 10.7545, 13.4155



18.3182, 8.6776, 35.4538



0.9013, 0.4284, 1.6803

Previews

White Background



This preview shows how the XYZ color 38.7915, 50.0593, 34.8120 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 38.7915, 50.0593, 34.8120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

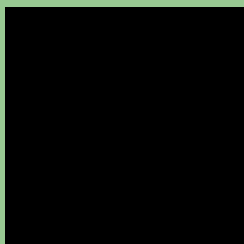
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

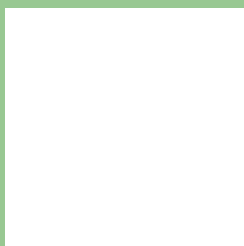
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7915, 50.0593, 34.8120

Background



This preview shows how black text looks on a background with the XYZ color 38.7915, 50.0593, 34.8120.



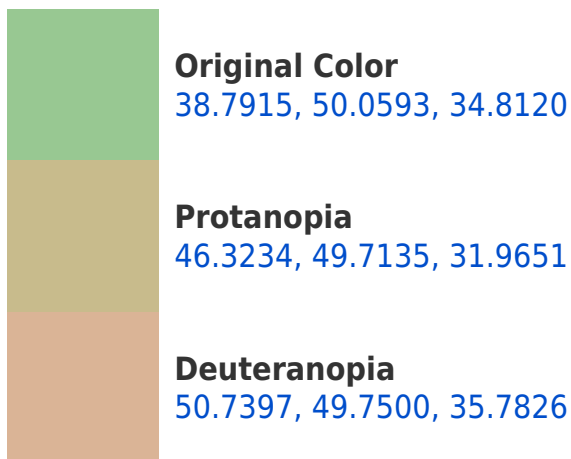
This preview shows how white text looks on a background with the XYZ color 38.7915, 50.0593,

34.8120.

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





Tritanopia

45.0124, 49.8856, 66.2880

Trichromacy



Original Color

38.7915, 50.0593, 34.8120

Protanomaly

43.2606, 49.7195, 32.9079

Deuteranomaly

45.4433, 49.1799, 35.5313

Tritanomaly

42.3726, 49.8021, 53.2784

Monochromacy



Original Color

38.7915, 50.0593, 34.8120

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.1076, 46.7657, 43.4193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7915, 50.0593, 34.8120 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(152, 200, 146)` looks like.

```
.text, #text, p{  
    color:rgb(152, 200, 146)  
}
```

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(152, 200, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 200, 146) }
```

Border

The CSS property to change the border of an element to XYZ 38.7915, 50.0593, 34.8120 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(152, 200, 146) }
```


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

```
.border{ border-color:rgb(152, 200, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 200, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 200, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 200, 146);  
box-shadow:4px 4px 4px 4px rgb(152, 200,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7915, 50.0593, 34.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 200, 146) }
```

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

```
.background{ background-color: rgb(152,  
200, 146) }
```

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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