

Converting Colors

XYZ(38.0678, 48.9510, 38.3524)

Have a look what the booklet for
XYZ(38.0678, 48.9510, 38.3524)
contains.

XYZ(38.1431, 48.9578, 38.4498)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1431, 48.9578,
38.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	93C69B
RGB	147, 198, 155
RGB Percent	58%, 78%, 61%
CMY	0.4235, 0.2235, 0.3922
CMYK	0.26, 0.00, 0.22, 0.22
HSL	129°, 31%, 68%
HSV	129°, 26%, 78%
XYZ	38.1431, 48.9578, 38.4498
YIQ	177.8490, -16.5930, -24.1850

Conversions

Conversions Part 2

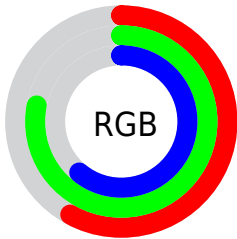
Format	Color
RYB	147, 191, 198
Decimal	9684635
CIELab	75.43, -25.27, 16.26
CIElCh	75, 30.051, 147.233
Yxy	48.9578, 0.3038, 0.3899
Android (android.graphics.Color)	4287874715 (0xFF93C69B)
YUV	177.8490, -11.2646, -27.0546
Hunter-Lab	69.9699, -25.1404, 16.3979

Details

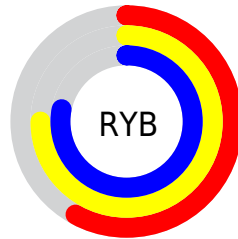
The XYZ color **38.1431, 48.9578, 38.4498** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0184, 36.5920, 53.5129**, and the grayscale version is **42.3021, 44.5051, 48.4661**.

A 20% lighter version of the original color is **71.7500, 88.7297, 74.3177**, and **17.1913, 23.3789, 16.7032** is the 20% darker color. If you saturate the color by 10%, you get **33.5871, 46.7614, 31.4172**, and if you desaturate by 10%, it is **43.5067, 51.5509, 46.5342**.

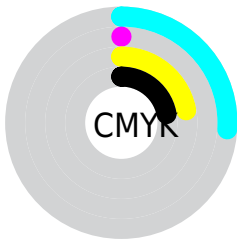
Distribution



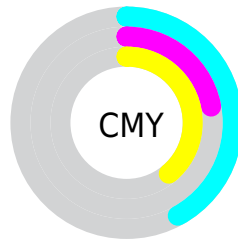
- Red (58%)
- Green (78%)
- Blue (61%)



- Red (58%)
- Yellow (75%)
- Blue (78%)



- Cyan (26%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)





- Cyan (42%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1431, 48.9578, 38.4498 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 38.1431, 48.9578, 38.4498 by changing the saturation by 10% instead.


 38.1431, 48.9578,
38.4498


 38.1431, 48.9578,
38.4498


329.5037,
382.5762, 354.9014

 26.2715, 34.5860,
26.0274


 71.6299, 88.6288,
74.0081

 17.1606, 23.3441,
16.6182


 93.9758, 114.6967,
97.9811

 10.4451, 14.8478,
9.8036


120.5439,
145.4322, 126.6414

 5.7596, 8.7127,
5.1650

151.6994,
181.2196, 160.4076

 2.7387, 4.5542,
2.2840

187.8078,
222.4433, 199.6981

 1.0171, 1.9882,
0.7222

229.2344,

 0.0000, 0.6006,

269.4877, 244.9316

0.0000

276.3446,
322.7372, 296.5265

■ 0.0000, 0.0000,
0.0000

■ 38.1431, 48.9578,
38.4498

■ 38.1431, 48.9578,
38.4498

■ 33.5871, 46.7614,
31.4172

■ 43.5067, 51.5509,
46.5342

■ 29.7956, 44.9363,
25.3900

■ 49.7106, 54.5525,
55.7076

■ 26.7274, 43.4636,
20.3233

■ 56.7902, 57.9815,
66.0098

■ 24.3357, 42.3201,
16.1672

■ 64.7780, 61.8538,
77.4771

■ 22.5683, 41.4802,
12.8678

■ 73.7045, 66.1844,
90.1446

■ 21.3650, 40.9140,
10.3649

■ 79.4851, 68.8701,
103.7117

■ 20.6523, 40.5851,
8.5909

■ 20.4432, 40.4894,
8.0382

Harmonies

Analogous

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



41.8295, 48.9578, 30.5338



38.1431, 48.9578, 38.4498



36.6892, 48.9578, 51.8483

Triad

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



38.1431, 48.9578, 38.4498



46.0208, 48.9578, 89.9261



56.6548, 48.9578, 40.5370

Complementary

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



38.1431, 48.9578, 38.4498



43.0184, 36.5920, 53.5129

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.



57.9965, 48.9578, 54.7923



38.1431, 48.9578, 38.4498



51.5763, 48.9578, 85.2702

Square

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



38.1431, 48.9578, 38.4498



41.0058, 48.9578, 83.2727



56.0707, 48.9578, 71.5689



52.5357, 48.9578, 31.5603

Rectangle

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



38.1431, 48.9578, 38.4498



37.0879, 48.9578, 62.8586



56.0707, 48.9578, 71.5689



57.4591, 48.9578, 44.7751

Sweetspot

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



38.1444, 48.9599, 38.4509



85.2923, 95.2755, 94.6296



46.7853, 53.4895, 35.4629



17.8877, 20.2146, 19.7117



0.0000, 0.0000, 0.0000



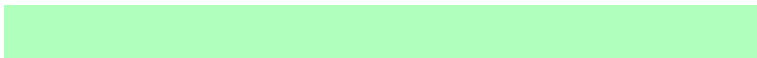
20.3446, 21.4041, 23.3091

Same Dimension

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



38.1444, 48.9599, 38.4509



62.7681, 84.3902, 60.7559



40.4817, 49.8948, 50.7589



10.5642, 11.9146, 11.6552



13.3148, 26.3383, 5.3361



0.6525, 1.2559, 0.3688

Inverse Universe

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



43.0184, 36.5920, 53.5129



72.8728, 58.7380, 91.9742



40.5018, 35.5853, 40.2608



11.0089, 10.7869, 13.0299



19.7037, 9.6311, 24.7135



0.9527, 0.4639, 1.2743

Previews

White Background



This preview shows how the XYZ color 38.1431, 48.9578, 38.4498 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 38.1431, 48.9578, 38.4498 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

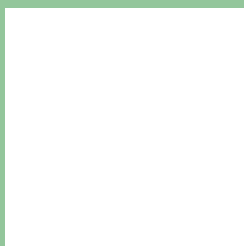
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1431, 48.9578, 38.4498

Background



This preview shows how black text looks on a background with the XYZ color 38.1431, 48.9578, 38.4498.



This preview shows how white text looks on a background with the XYZ color 38.1431, 48.9578,

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

38.1431, 48.9578, 38.4498

Protanopia

45.7997, 48.7382, 35.4273

Deuteranopia

49.3298, 48.3410, 39.5317



Tritanopia

43.4817, 48.7858, 65.5174

Trichromacy



Original Color

38.1431, 48.9578, 38.4498

Protanomaly

42.5898, 48.6450, 36.4229

Deuteranomaly

44.2596, 47.8579, 39.2525

Tritanomaly

41.3983, 48.9437, 54.2789

Monochromacy



Original Color

38.1431, 48.9578, 38.4498

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5410, 45.8157, 44.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1431, 48.9578, 38.4498 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(147, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(147, 198, 155)  
}
```

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(147, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 198, 155) }
```

Border

The CSS property to change the border of an element to XYZ 38.1431, 48.9578, 38.4498 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(147, 198, 155) }
```


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

```
.border{ border-color:rgb(147, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(147, 198,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1431, 48.9578, 38.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 198, 155) }
```

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

```
.background{ background-color: rgb(147,  
198, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor