

Converting Colors

XYZ(34.3918, 46.4948, 31.5879)

Have a look what the booklet for
XYZ(34.3918, 46.4948, 31.5879)
contains.

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Color

**XYZ(34.3918, 46.4948,
31.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	87C48B
RGB	135, 196, 139
RGB Percent	53%, 77%, 55%
CMY	0.4706, 0.2314, 0.4549
CMYK	0.31, 0.00, 0.29, 0.23
HSL	124°, 34%, 65%
HSV	124°, 31%, 77%
XYZ	34.3918, 46.4948, 31.5879
YIQ	171.2630, -18.0590, -30.6590

Conversions

Conversions Part 2

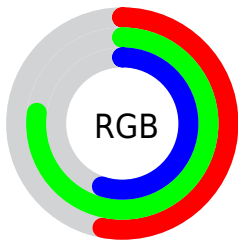
Format	Color
RYB	135, 192, 196
Decimal	8897675
CIELab	73.87, -31.06, 22.54
CIELCh	74, 38.375, 144.027
Yxy	46.4948, 0.3058, 0.4134
Android (android.graphics.Color)	4287087755 (0xFF87C48B)
YUV	171.2630, -15.9057, -31.8027
Hunter-Lab	68.1871, -29.2967, 20.2647

Details

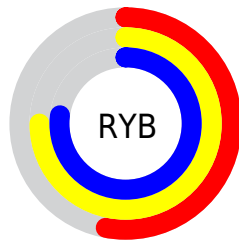
The XYZ color **34.3918, 46.4948, 31.5879** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.9449, 32.8704, 54.0575**, and the grayscale version is **38.9259, 40.9531, 44.5979**.

A 20% lighter version of the original color is **65.9861, 85.0480, 63.3901**, and **15.0435, 21.9063, 12.8867** is the 20% darker color. If you saturate the color by 10%, you get **30.2959, 44.5265, 24.9864**, and if you desaturate by 10%, it is **39.2949, 48.8560, 39.3994**.

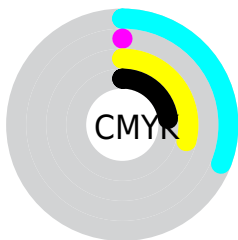
Distribution



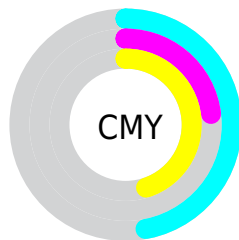
- Red (53%)
- Green (77%)
- Blue (55%)



- Red (53%)
- Yellow (75%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (47%)
- Magenta (23%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3918, 46.4948, 31.5879 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 34.3918, 46.4948, 31.5879 by changing the saturation by 10% instead.


 34.3918, 46.4948,
31.5879


 34.3918, 46.4948,
31.5879


313.4308,
372.7944, 323.6724


 23.3591, 32.6365,
20.7847

 65.8827, 84.9590,
63.2549

 14.9810, 21.8481,
12.7770


 87.0717, 110.3337,
84.9557

 8.8923, 13.7453,
7.1463


 112.3767,
140.3159, 111.1262

 4.7275, 7.9437,
3.4739

142.1632,
175.2901, 142.1849

 2.1214, 4.0590,
1.3414

176.7965,
215.6407, 178.5504

 0.7008, 1.7066,
0.0954

216.6419,

 0.0000, 0.4279,

261.7520, 220.6411

0.0000

262.0649,
314.0084, 268.8755

■ 0.0000, 0.0000,
0.0000

■ 34.3918, 46.4948,
31.5879

■ 34.3918, 46.4948,
31.5879

■ 30.2959, 44.5265,
24.9864

■ 39.2949, 48.8560,
39.3994

■ 26.9605, 42.9243,
19.5316

■ 45.0415, 51.6235,
48.4739

■ 24.3397, 41.6673,
15.1590

■ 51.6698, 54.8175,
58.8651

■ 22.3812, 40.7301,
11.7966

■ 59.2150, 58.4547,
70.6224

■ 21.0255, 40.0836,
9.3635

■ 67.7101, 62.5514,
83.7930

■ 20.2023, 39.6938,
7.7666

■ 77.1865, 67.1227,
98.4215

■ 19.8125, 39.5103,
6.9579

■ 79.0308, 67.9616,
103.5603

Harmonies

Analogous

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



39.0568, 46.4948, 23.4543



34.3918, 46.4948, 31.5879



32.3737, 46.4948, 46.8106

Triad

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



34.3918, 46.4948, 31.5879



42.8392, 46.4948, 98.0091



57.3065, 46.4948, 36.8016

Complementary

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



34.3918, 46.4948, 31.5879



40.9449, 32.8704, 54.0575

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.



58.5844, 46.4948, 54.6410



34.3918, 46.4948, 31.5879



49.7584, 46.4948, 93.3397

Square

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



34.3918, 46.4948, 31.5879



36.9170, 46.4948, 87.5770



55.6965, 46.4948, 76.0913



52.3648, 46.4948, 25.8769

Rectangle

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



34.3918, 46.4948, 31.5879



32.6347, 46.4948, 60.3005



55.6965, 46.4948, 76.0913



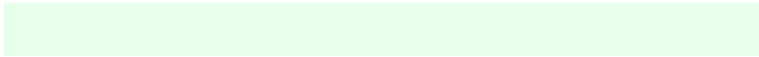
58.1987, 46.4948, 42.0440

Sweetspot

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



34.3930, 46.4968, 31.5889



83.8424, 94.5992, 91.3478



46.0946, 52.5623, 30.6382



17.5852, 20.0744, 18.9856



0.0000, 0.0000, 0.0000



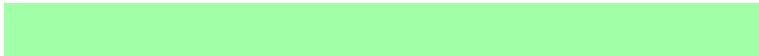
20.3446, 21.4041, 23.3091

Same Dimension

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



34.3930, 46.4968, 31.5889



57.3476, 81.8448, 49.2558



36.8522, 47.4804, 44.5386



9.9706, 11.2693, 10.8487



12.7415, 25.3907, 4.5321



0.5599, 1.1008, 0.2454

Inverse Universe

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



40.9449, 32.8704, 54.0575



70.9934, 53.4554, 96.0450



37.9920, 31.6893, 38.5079



10.4679, 10.2358, 12.5543



20.1417, 9.7464, 29.7218



0.8790, 0.4246, 1.3303

Previews

White Background



This preview shows how the XYZ color 34.3918, 46.4948, 31.5879 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 34.3918, 46.4948, 31.5879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

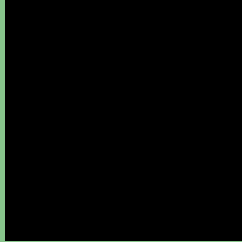
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.3918, 46.4948, 31.5879

Background



This preview shows how black text looks on a background with the XYZ color 34.3918, 46.4948, 31.5879.



This preview shows how white text looks on a background with the XYZ color 34.3918, 46.4948,

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

34.3918, 46.4948, 31.5879

Protanopia

42.9369, 46.1830, 28.4810

Deuteranopia

47.0341, 46.1346, 32.8115



Tritanopia

40.7953, 46.4813, 63.3216

Trichromacy



Original Color

34.3918, 46.4948, 31.5879

Protanomaly

39.1657, 45.7513, 29.6883

Deuteranomaly

41.1389, 45.4762, 32.2007

Tritanomaly

38.1967, 46.3965, 50.1223

Monochromacy



Original Color

34.3918, 46.4948, 31.5879

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.6798, 42.4148, 39.0545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3918, 46.4948, 31.5879 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(135, 196, 139)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 139)  
}
```

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(135, 196, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 139) }
```

Border

The CSS property to change the border of an element to XYZ 34.3918, 46.4948, 31.5879 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(135, 196, 139) }
```


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

```
.border{ border-color:rgb(135, 196, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 139);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3918, 46.4948, 31.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 139) }
```

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

```
.background{ background-color: rgb(135,  
196, 139) }
```

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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