

# Converting Colors

XYZ(35.9040, 48.2781, 31.4792)

Have a look what the booklet for  
XYZ(35.9040, 48.2781, 31.4792)  
contains.

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# Color

**XYZ(35.9954, 48.3445,  
31.4790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DC78A
RGB	141, 199, 138
RGB Percent	55%, 78%, 54%
CMY	0.4471, 0.2196, 0.4588
CMYK	0.29, 0.00, 0.31, 0.22
HSL	117°, 35%, 66%
HSV	117°, 31%, 78%
XYZ	35.9954, 48.3445, 31.4790
YIQ	174.7040, -14.9870, -31.2670

# Conversions

## Conversions Part 2

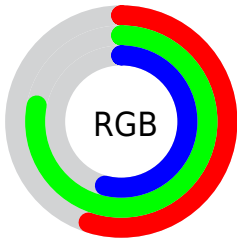
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">138, 199, 196</a>
Decimal	<a href="#">9291658</a>
CIELab	<a href="#">75.04, -30.67, 24.72</a>
CIELCh	<a href="#">75, 39.396, 141.132</a>
Yxy	<a href="#">48.3445, 0.3108, 0.4174</a>
Android (android.graphics.Color)	<a href="#">4287481738 (0xFF8DC78A)</a>
YUV	<a href="#">174.7040, -18.0951, -29.5584</a>
Hunter-Lab	<a href="#">69.5302, -29.2694, 21.8283</a>

# Details

The XYZ color **35.9954, 48.3445, 31.4790** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.1642, 34.0376, 58.3829**, and the grayscale version is **40.6917, 42.8108, 46.6210**.

A 20% lighter version of the original color is **68.0394, 87.0615, 63.0877**, and **15.9655, 23.0628, 12.6269** is the 20% darker color. If you saturate the color by 10%, you get **31.7377, 46.3025, 24.4357**, and if you desaturate by 10%, it is **41.0693, 50.7796, 39.9405**.

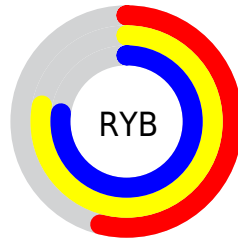
# Distribution



Red (55%)

Green (78%)

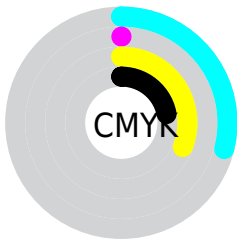
Blue (54%)



Red (54%)

Yellow (78%)

Blue (77%)

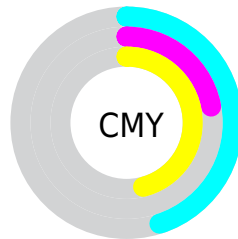


Cyan (29%)

Magenta (0%)

Yellow (31%)

Black (22%)



Cyan (45%)

Magenta (22%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9954, 48.3445, 31.4790 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 35.9954, 48.3445, 31.4790 by changing the saturation by 10% instead.





 35.9954, 48.3445,  
31.4790


 35.9954, 48.3445,  
31.4790


320.3720,  
380.1560, 323.1583


 24.6007, 34.0998,  
20.7023


 68.3489, 87.7171,  
63.0818

 15.9070, 22.9703,  
12.7175


 90.0384, 113.6138,  
84.7451

 9.5488, 14.5716,  
7.1059


 115.8903,  
144.1632, 110.8743

 5.1608, 8.5192,  
3.4489

146.2698,  
179.7499, 141.8879

 2.3776, 4.4290,  
1.3282

181.5424,  
220.7581, 178.2046

 0.8339, 1.9163,  
0.0847

222.0734,

 0.0000, 0.5581,

267.5722, 220.2429

0.0000

268.2282,  
320.5768, 268.4213

■ 0.0000, 0.0000,  
0.0000

■ 35.9954, 48.3445,  
31.4790

■ 35.9954, 48.3445,  
31.4790

■ 31.7377, 46.3025,  
24.4357

■ 41.0693, 50.7796,  
39.9405

■ 28.2501, 44.6272,  
18.7301

■ 46.9950, 53.6204,  
49.8886

■ 25.4876, 43.2988,  
14.2785


■ 53.8105, 56.8863,  
61.3907


■ 23.3991, 42.2928,  
10.9867


■ 61.5503, 60.5940,  
74.5097


■ 21.9268, 41.5819,  
8.7467

■ 70.2472, 64.7589,  
89.3046

 21.0030, 41.1338,  
7.4310

 79.5427, 69.2402,  
103.7801

 20.5468, 40.9118,  
6.8138

 79.7143, 69.3287,  
103.7881

# Harmonies

## Analogous

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



41.1393, 48.3445, 23.6495



35.9954, 48.3445, 31.4790



33.5879, 48.3445, 46.7622

# Triad

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



35.9954, 48.3445, 31.4790



43.8494, 48.3445, 102.3123



60.1048, 48.3445, 39.6044

# Complementary

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



35.9954, 48.3445, 31.4790



42.1642, 34.0376, 58.3829

# 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.



61.0246, 48.3445, 58.9886



35.9954, 48.3445, 31.4790



51.1218, 48.3445, 98.9372

# Square

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



35.9954, 48.3445, 31.4790



37.8012, 48.3445, 89.9201



57.5890, 48.3445, 81.6333



55.1930, 48.3445, 27.4178



# Rectangle

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



35.9954, 48.3445, 31.4790



33.6650, 48.3445, 60.6675



57.5890, 48.3445, 81.6333



60.9100, 48.3445, 45.3519

# Sweetspot

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



35.9967, 48.3466, 31.4801



83.9952, 94.7027, 90.2336



47.8714, 53.4367, 31.8367



17.6224, 20.0997, 18.7142



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

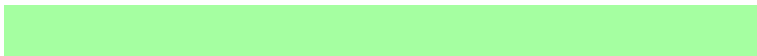


# Same Dimension

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



35.9967, 48.3466, 31.4801



57.7394, 82.1112, 46.3625



37.7387, 48.9853, 43.2799



10.5449, 11.9123, 11.3063



13.2332, 26.3172, 4.3823



0.6438, 1.2550, 0.2083



# Inverse Universe

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



42.1642, 34.0376, 58.3829



70.2876, 52.9783, 101.1290



40.0465, 33.2816, 43.1183



11.0296, 10.7890, 13.4187



20.1801, 9.6375, 35.5410



0.9717, 0.4647, 1.6836



# Previews

## White Background



This preview shows how the XYZ color 35.9954, 48.3445, 31.4790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

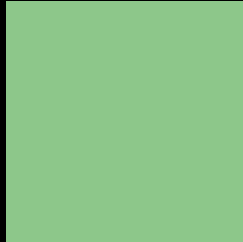
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.9954, 48.3445, 31.4790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

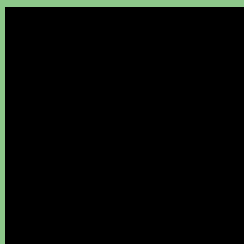
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.9954, 48.3445, 31.4790**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.9954, 48.3445, 31.4790.



This preview shows how white text looks on a background with the XYZ color 35.9954, 48.3445,

31.4790.

# 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

35.9954, 48.3445, 31.4790

### Protanopia

44.5259, 47.9254, 28.3765

### Deuteranopia

48.9990, 48.0264, 32.6741



## Tritanopia

42.6909, 48.0554, 65.4181

# Trichromacy



## Original Color

35.9954, 48.3445, 31.4790

## Protanomaly

40.6321, 47.4635, 29.5741

## Deuteranomaly

43.1429, 47.4398, 32.0822

## Tritanomaly

39.8049, 47.8657, 50.8571

# Monochromacy



## Original Color

35.9954, 48.3445, 31.4790

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

38.7663, 44.6761, 40.7626

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.9954, 48.3445, 31.4790 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(141, 199, 138)` looks like.

```
.text, #text, p{  
    color:rgb(141, 199, 138)  
}
```

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(141, 199, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 199, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 35.9954, 48.3445, 31.4790 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(141, 199, 138) }
```



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

```
.border{ border-color:rgb(141, 199, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 199, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 199, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 199, 138);  
box-shadow:4px 4px 4px 4px rgb(141, 199,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.9954, 48.3445, 31.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 199, 138) }
```

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

```
.background{ background-color: rgb(141,  
199, 138) }
```

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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