

# Converting Colors

XYZ(40.5080, 48.9989, 35.3296)

Have a look what the booklet for  
XYZ(40.5080, 48.9989, 35.3296)  
contains.

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# Color

**XYZ(40.3630, 48.8287,  
35.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6C294
RGB	166, 194, 148
RGB Percent	65%, 76%, 58%
CMY	0.3490, 0.2392, 0.4196
CMYK	0.14, 0.00, 0.24, 0.24
HSL	97°, 27%, 67%
HSV	97°, 24%, 76%
XYZ	40.3630, 48.8287, 35.3145
YIQ	180.3840, -1.9220, -20.2420

# Conversions

## Conversions Part 2

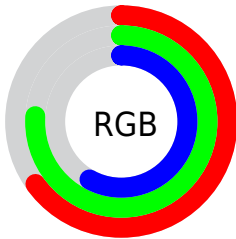
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 194, 176</a>
Decimal	<a href="#">10928788</a>
CIELab	<a href="#">75.34, -17.90, 20.08</a>
CIELCh	<a href="#">75, 26.900, 131.722</a>
Yxy	<a href="#">48.8287, 0.3242, 0.3922</a>
Android (android.graphics.Color)	<a href="#">4289118868 (0xFFA6C294)</a>
YUV	<a href="#">180.3840, -15.9653, -12.6148</a>
Hunter-Lab	<a href="#">69.8775, -19.1797, 18.9505</a>

# Details

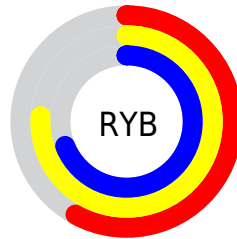
The XYZ color **40.3630, 48.8287, 35.3145** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2340, 34.3063, 55.6482**, and the grayscale version is **43.6739, 45.9483, 50.0377**.

A 20% lighter version of the original color is **74.9766, 88.6308, 69.0329**, and **18.4752, 23.1966, 14.8129** is the 20% darker color. If you saturate the color by 10%, you get **36.5916, 47.0487, 27.7829**, and if you desaturate by 10%, it is **44.6218, 50.8331, 44.2144**.

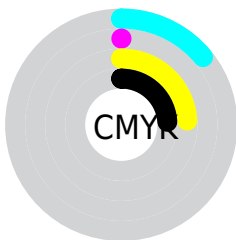
# Distribution



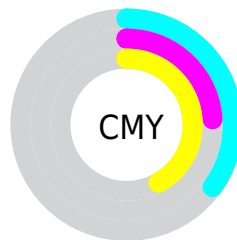
- Red (65%)
- Green (76%)
- Blue (58%)



- Red (58%)
- Yellow (76%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (24%)




- Cyan (35%)
- Magenta (24%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3630, 48.8287, 35.3145 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 40.3630, 48.8287, 35.3145 by changing the saturation by 10% instead.





 40.3630, 48.8287,  
35.3145


 40.3630, 48.8287,  
35.3145


338.7594,  
382.0676, 340.9007

 28.0072, 34.4836,  
23.6197


 74.9968, 88.4370,  
69.1298

 18.4715, 23.2654,  
14.8422


 98.0054, 114.4690,  
92.0874

 11.3908, 14.7896,  
8.5633


125.2958,  
145.1654, 119.6364

 6.3995, 8.6718,  
4.3646

157.2331,  
180.9106, 152.1953

 3.1325, 4.5278,  
1.8274

194.1827,  
222.0890, 190.1826

 1.2242, 1.9729,  
0.4459

236.5101,

 0.1253, 0.5917,

269.0851, 234.0169

0.0000

284.5806,  
322.2831, 284.1168

■ 0.0000, 0.0000,  
0.0000

■ 40.3630, 48.8287,  
35.3145

■ 40.3630, 48.8287,  
35.3145

■ 36.5916, 47.0487,  
27.7829

■ 44.6218, 50.8331,  
44.2144

■ 33.2848, 45.4786,  
21.5487

■ 49.3818, 53.0633,  
54.5425

■ 30.4236, 44.1115,  
16.5393


■ 54.6613, 55.5289,  
66.3591


■ 27.9860, 42.9379,  
12.6736


■ 60.4761, 58.2368,  
79.7200


■ 25.9479, 41.9474,  
9.8610


■ 66.8417, 61.1939,  
94.6780

 24.2822, 41.1282,  
7.9968

 72.2209, 63.7859,  
103.1132

 22.9570, 40.4667,  
6.9551

 76.2919, 65.8846,  
103.3037

 22.2659, 40.1182,  
6.5701

 78.5828, 67.0656,  
103.4109

# Harmonies

## Analogous

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



44.5043, 48.8287, 30.7037



40.3630, 48.8287, 35.3145



37.9510, 48.8287, 45.0715

# Triad

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



40.3630, 48.8287, 35.3145



43.4903, 48.8287, 83.4570



56.3613, 48.8287, 47.8213

# Complementary

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



40.3630, 48.8287, 35.3145



38.2340, 34.3063, 55.6482

# 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.



56.0414, 48.8287, 62.1763



40.3630, 48.8287, 35.3145



48.3697, 48.8287, 84.5509

# Square

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



40.3630, 48.8287, 35.3145



39.6662, 48.8287, 73.4359



53.0331, 48.8287, 76.2023



53.8784, 48.8287, 37.0184



# Rectangle

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



40.3630, 48.8287, 35.3145



37.5366, 48.8287, 53.9890



53.0331, 48.8287, 76.2023



56.5825, 48.8287, 52.3517

# Sweetspot

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



40.3643, 48.8308, 35.3156



86.4279, 94.7121, 92.1556



43.0424, 44.5034, 34.3391



18.8087, 20.6856, 19.9237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

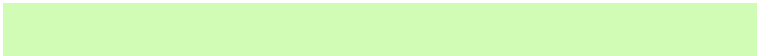


# Same Dimension

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



40.3643, 48.8308, 35.3156



69.7847, 86.8882, 57.2213



37.2228, 47.1684, 37.1075



10.3089, 11.4467, 10.7280



14.7245, 26.4196, 4.3234



0.7136, 1.1814, 0.1904



# Inverse Universe

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



38.2340, 34.3063, 55.6482



65.3087, 56.3905, 99.9121



42.0687, 36.3420, 53.1719



10.1034, 10.0445, 12.6911



11.4170, 5.1461, 33.9482



0.5688, 0.2613, 1.4703



# Previews

## White Background



This preview shows how the XYZ color 40.3630, 48.8287, 35.3145 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 40.3630, 48.8287, 35.3145 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 40.3630, 48.8287, 35.3145**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3630, 48.8287, 35.3145.



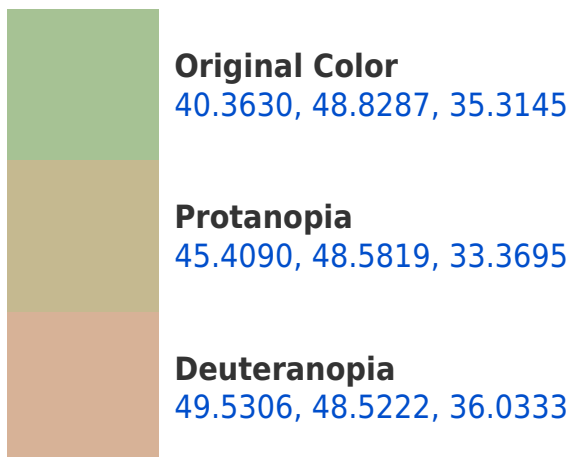
This preview shows how white text looks on a background with the XYZ color 40.3630, 48.8287,

35.3145.

# 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

45.8866, 48.8036, 62.8787

# Trichromacy



## Original Color

40.3630, 48.8287, 35.3145

## Protanomaly

43.3438, 48.4499, 33.8554

## Deuteranomaly

45.6715, 48.3533, 35.7801

## Tritanomaly

43.6515, 48.8622, 51.3866

# Monochromacy



## Original Color

40.3630, 48.8287, 35.3145

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

42.0960, 46.6390, 43.8293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3630, 48.8287, 35.3145 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(166, 194, 148)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 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(166, 194, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3630, 48.8287, 35.3145 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(166, 194, 148) }
```



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

```
.border{ border-color:rgb(166, 194, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 194, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 148);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3630, 48.8287, 35.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 148) }
```

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

```
.background{ background-color: rgb(166,  
194, 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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