

# Converting Colors

XYZ(30.9417, 30.4318, 8.8006)

Have a look what the booklet for  
XYZ(30.9417, 30.4318, 8.8006)  
contains.

<b>XYZ(30.9417, 30.4318, 8.8006)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(30.9417, 30.4318,  
8.8006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA8F3E
RGB	186, 143, 62
RGB Percent	73%, 56%, 24%
CMY	0.2706, 0.4392, 0.7569
CMYK	0.00, 0.23, 0.67, 0.27
HSL	39°, 50%, 49%
HSV	39°, 67%, 73%
XYZ	30.9417, 30.4318, 8.8006
YIQ	146.6230, 51.6290, -16.0750

# Conversions

## Conversions Part 2

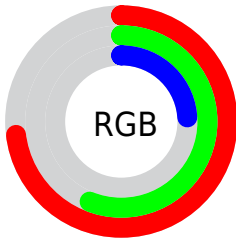
Format	Color
<a href="#">RYB</a>	<a href="#">128, 186, 62</a>
Decimal	<a href="#">12226366</a>
CIELab	<a href="#">62.03, 7.64, 48.05</a>
CIELCh	<a href="#">62, 48.657, 80.962</a>
Yxy	<a href="#">30.4318, 0.4409, 0.4337</a>
Android (android.graphics.Color)	<a href="#">4290416446</a> ( <a href="#">0xFFBA8F3E</a> )
YUV	<a href="#">146.6230, -41.7191, 34.5336</a>
Hunter-Lab	<a href="#">55.1650, 3.5807, 29.1569</a>

# Details

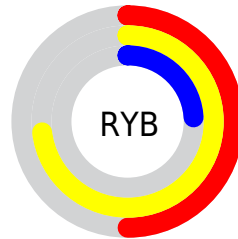
The XYZ color **30.9417, 30.4318, 8.8006** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.9010, 14.6720, 48.4481**, and the grayscale version is **27.7300, 29.1741, 31.7706**.

A 20% lighter version of the original color is **60.6031, 60.5372, 24.1135**, and **13.0005, 12.5090, 1.9016** is the 20% darker color. If you saturate the color by 10%, you get **29.5757, 28.3817, 6.2438**, and if you desaturate by 10%, it is **32.5394, 32.6661, 12.2969**.

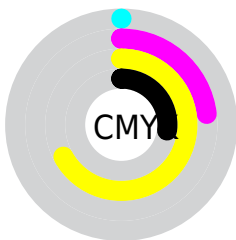
# Distribution



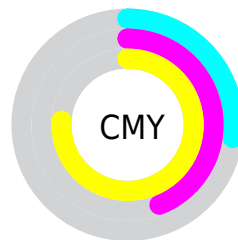
- Red (73%)
- Green (56%)
- Blue (24%)



- Red (50%)
- Yellow (73%)
- Blue (24%)



- Cyan (0%)
- Magenta (23%)
- Yellow (67%)
- Black (27%)




- Cyan (27%)
- Magenta (44%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9417, 30.4318, 8.8006 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 30.9417, 30.4318, 8.8006 by changing the saturation by 10% instead.




 30.9417, 30.4318,  
8.8006


 30.9417, 30.4318,  
8.8006


298.1013,  
303.9120, 192.0463


 20.7061, 20.1666,  
4.5163


 60.5247, 60.3444,  
24.0852

 13.0206, 12.5162,  
1.9127


 80.6029, 80.7605,  
35.9226


 7.5198, 7.0962,  
0.5008


 104.6925,  
105.3291, 51.1148

 3.8384, 3.5224,  
0.0000

 133.1591,  
134.4344, 70.0803

 1.6111, 1.4101,  
0.0000

 166.3679,  
168.4610, 93.2376

 0.3997, 0.2242,  
0.0000

204.6843,

 0.0000, 0.0000,

207.7932, 121.0054

0.0000

248.4736,  
252.8154, 153.8021

■ 30.9417, 30.4318,  
8.8006

■ 30.9417, 30.4318,  
8.8006

■ 29.5757, 28.3817,  
6.2438

■ 32.5394, 32.6661,  
12.2969

■ 28.4197, 26.5019,  
4.5261

■ 34.3838, 35.0884,  
16.8158

■ 27.4483, 24.7821,  
3.5149

■ 36.4905, 37.7076,  
22.4332

■ 27.1487, 24.2371,  
3.2473

■ 38.8735, 40.5306,  
29.2172

■ 41.5453, 43.5638,  
37.2305

■ 44.5177, 46.8132,  
46.5311

■ 47.8019, 50.2846,  
57.1734

■ 51.4083, 53.9835,  
69.2086

■ 55.3469, 57.9150,  
82.6854

# Harmonies

## Analogous

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



37.5738, 30.4318, 12.3193



30.9417, 30.4318, 8.8006



24.6617, 30.4318, 9.6238

# Triad

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



30.9417, 30.4318, 8.8006



18.7138, 30.4318, 47.7340



39.8125, 30.4318, 61.3303

# Complementary

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



30.9417, 30.4318, 8.8006



15.9010, 14.6720, 48.4481

# 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.



33.6523, 30.4318, 79.3260



30.9417, 30.4318, 8.8006



21.7162, 30.4318, 69.6421

# Square

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



30.9417, 30.4318, 8.8006



18.2134, 30.4318, 27.8021



26.9970, 30.4318, 82.8363



43.1786, 30.4318, 39.1098



# Rectangle

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



30.9417, 30.4318, 8.8006



21.4504, 30.4318, 12.7251



26.9970, 30.4318, 82.8363



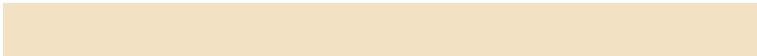
37.9598, 30.4318, 68.3760

# Sweetspot

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



30.9424, 30.4333, 8.8012



73.4661, 76.9019, 61.8927



24.5429, 14.9128, 15.0580



15.8775, 16.5932, 12.7275



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



30.9424, 30.4333, 8.8012



52.5867, 49.8187, 9.6896



34.4495, 43.7247, 11.1819



9.4810, 9.9649, 9.5306



18.3369, 16.4502, 2.2088



0.7019, 0.6908, 0.0963



# Inverse Universe

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



15.9010, 14.6720, 48.4481



23.5098, 19.4751, 86.7214



13.9450, 8.7225, 47.4029



8.7690, 9.2151, 11.3960



7.2789, 5.0174, 31.8379

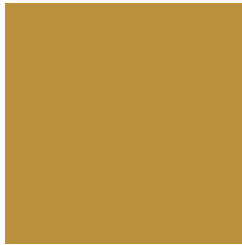


0.3158, 0.2952, 1.1421



# Previews

## White Background



This preview shows how the XYZ color 30.9417, 30.4318, 8.8006 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 30.9417, 30.4318, 8.8006 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 30.9417, 30.4318, 8.8006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9417, 30.4318, 8.8006.



This preview shows how white text looks on a background with the XYZ color 30.9417, 30.4318,



# 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

30.9417, 30.4318, 8.8006

### Protanopia

27.7681, 30.3983, 9.2544

### Deuteranopia

31.1855, 30.5575, 8.8120



## Tritanopia

35.3742, 30.3010, 30.7723

# Trichromacy



## Original Color

30.9417, 30.4318, 8.8006

## Protanomaly

28.7865, 30.2250, 9.0194

## Deuteranomaly

31.1855, 30.5575, 8.8120

## Tritanomaly

33.2754, 30.0763, 20.2712

# Monochromacy



## Original Color

30.9417, 30.4318, 8.8006

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

28.1292, 29.3958, 20.7144

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9417, 30.4318, 8.8006 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(186, 143, 62)` looks like.

```
.text, #text, p{  
    color:rgb(186, 143, 62)  
}
```

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(186, 143, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 143, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9417, 30.4318, 8.8006 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(186, 143, 62) }
```



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

```
.border{ border-color:rgb(186, 143, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 143, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 143, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 143, 62);  
box-shadow:4px 4px 4px 4px rgb(186, 143,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9417, 30.4318, 8.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 143, 62) }
```

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

```
.background{ background-color: rgb(186,  
143, 62) }
```

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