

# Converting Colors

XYZ(46.7207, 46.8163, 34.1778)

Have a look what the booklet for  
XYZ(46.7207, 46.8163, 34.1778)  
contains.

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# Color

**XYZ(46.7207, 46.8163,  
34.1778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFB193
RGB	207, 177, 147
RGB Percent	81%, 69%, 58%
CMY	0.1882, 0.3059, 0.4235
CMYK	0.00, 0.14, 0.29, 0.19
HSL	30°, 38%, 69%
HSV	30°, 29%, 81%
XYZ	46.7207, 46.8163, 34.1778
YIQ	182.5500, 27.5100, -2.9700

# Conversions

## Conversions Part 2

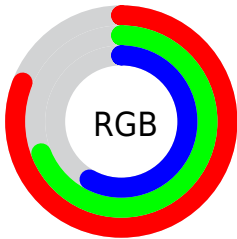
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 207, 147
Decimal	13611411
CIE <sub>Lab</sub>	74.07, 6.36, 19.37
CIE <sub>LCh</sub>	74, 20.392, 71.824
Yxy	46.8163, 0.3658, 0.3666
Android (android.graphics.Color)	4291801491 (0xFFCFB193)
YUV	182.5500, -17.5262, 21.4426
Hunter-Lab	68.4224, 2.1454, 18.2797

# Details

The XYZ color **46.7207, 46.8163, 34.1778** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.0168, 42.1509, 65.1110**, and the grayscale version is **44.8467, 47.1822, 51.3814**.

A 20% lighter version of the original color is **80.9215, 83.7549, 67.1596**, and **22.2679, 21.9352, 14.1266** is the 20% darker color. If you saturate the color by 10%, you get **43.2735, 42.2915, 25.7232**, and if you desaturate by 10%, it is **50.6177, 51.7724, 44.2254**.

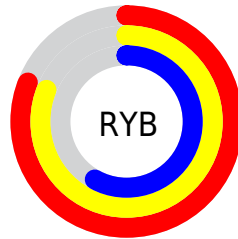
# Distribution



Red (81%)

Green (69%)

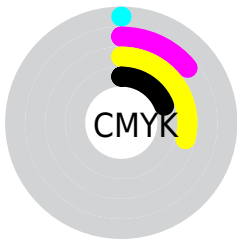
Blue (58%)



Red (81%)

Yellow (81%)

Blue (58%)

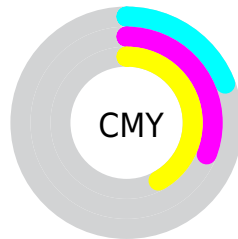


Cyan (0%)

Magenta (14%)

Yellow (29%)

Black (19%)



Cyan (19%)

Magenta (31%)


Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7207, 46.8163, 34.1778 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 46.7207, 46.8163, 34.1778 by changing the saturation by 10% instead.





 46.7207, 46.8163,  
34.1778


 46.7207, 46.8163,  
34.1778


364.3661,  
374.0808, 335.7175

 33.0219, 32.8905,  
22.7518


 84.5178, 85.4394,  
67.3471

 22.3026, 22.0425,  
14.2067


 109.3469,  
110.9053, 89.9275

 14.1972, 13.8882,  
8.1242


138.6168,  
140.9869, 117.0630

 8.3406, 8.0429,  
4.0856

172.6929,  
176.0683, 149.1723

 4.3673, 4.1224,  
1.6724

211.9405,  
216.5340, 186.6738

 1.9119, 1.7423,  
0.3417

256.7250,

 0.5838, 0.4508,

262.7684, 229.9862

0.0000

307.4118,  
315.1558, 279.5279

■ 0.0000, 0.0000,  
0.0000

■ 46.7207, 46.8163,  
34.1778

■ 46.7207, 46.8163,  
34.1778

■ 43.2735, 42.2915,  
25.7232

■ 50.6177, 51.7724,  
44.2254

■ 40.2533, 38.1784,  
18.7749

■ 54.9787, 57.1657,  
55.9406

■ 37.6407, 34.4652,  
13.2424

■ 59.8216, 63.0103,  
69.3968

■ 35.4129, 31.1370,  
9.0242

■ 65.1622, 69.3174,  
84.6621

■ 33.5444, 28.1775,  
6.0049

■ 71.0157, 76.0980,  
101.8008

■ 32.0058, 25.5686,  
4.0486

■ 74.6767, 82.2745,  
106.5524

■ 30.7512, 23.2851,  
2.9341

■ 77.7953, 88.5117,  
107.5920

■ 30.6339, 23.0689,  
2.8382

■ 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



49.9296, 46.8163, 38.7229



46.7207, 46.8163, 34.1778



43.0762, 46.8163, 33.7385

# Triad

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



46.7207, 46.8163, 34.1778



37.9815, 46.8163, 55.2011



49.3387, 46.8163, 67.4509

# Complementary

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



46.7207, 46.8163, 34.1778



39.0168, 42.1509, 65.1110

# 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.



45.9497, 46.8163, 73.2635



46.7207, 46.8163, 34.1778



39.4744, 46.8163, 65.5721

# Square

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



46.7207, 46.8163, 34.1778



38.1628, 46.8163, 44.9641



42.3459, 46.8163, 72.5325



51.4971, 46.8163, 57.4990



# Rectangle

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



46.7207, 46.8163, 34.1778



40.9017, 46.8163, 35.7460



42.3459, 46.8163, 72.5325



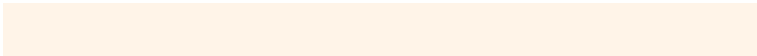
48.2980, 46.8163, 70.0111

# Sweetspot

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



46.7219, 46.8185, 34.1788



88.0211, 91.5060, 89.4044



44.1020, 37.3077, 46.4721



18.6099, 19.3043, 18.5086



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.



46.7219, 46.8185, 34.1788



71.2410, 70.2860, 45.7680



53.3115, 59.9977, 36.3753



12.2902, 12.7710, 12.4293



19.3954, 14.7238, 1.8197



1.1638, 0.9820, 0.1282



# Inverse Universe

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



39.0168, 42.1509, 65.1110



56.8611, 61.5752, 103.4960



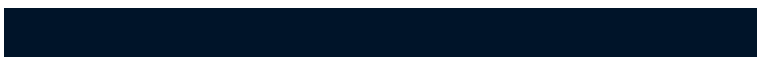
33.7294, 31.5761, 63.3485



11.6449, 12.3802, 15.0195



10.2768, 9.2003, 38.4267



0.6540, 0.6731, 2.1750



# Previews

## White Background



This preview shows how the XYZ color 46.7207, 46.8163, 34.1778 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 46.7207, 46.8163, 34.1778 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

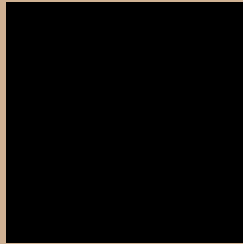
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.7207, 46.8163, 34.1778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7207, 46.8163, 34.1778.



This preview shows how white text looks on a background with the XYZ color 46.7207, 46.8163,

34.1778.

# 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

46.7207, 46.8163, 34.1778

### Protanopia

44.1451, 46.9633, 35.1719

### Deuteranopia

47.7478, 46.7636, 34.1135



## Tritanopia

50.3734, 46.8567, 52.2882

# Trichromacy



## Original Color

46.7207, 46.8163, 34.1778

## Protanomaly

44.9553, 46.7864, 34.6783

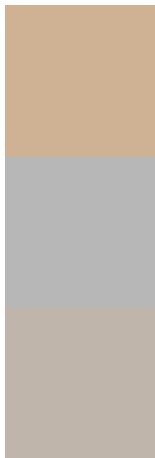
## Deuteranomaly

47.3701, 46.8589, 34.1518

## Tritanomaly

49.0651, 46.9140, 44.9974

# Monochromacy



## Original Color

46.7207, 46.8163, 34.1778

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.5178, 47.1565, 44.7333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7207, 46.8163, 34.1778 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(207, 177, 147)` looks like.

```
.text, #text, p{  
    color:rgb(207, 177, 147)  
}
```

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(207, 177, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 177, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7207, 46.8163, 34.1778 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(207, 177, 147) }
```



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

```
.border{ border-color:rgb(207, 177, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 177, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 177, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 177, 147);  
box-shadow:4px 4px 4px 4px rgb(207, 177,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7207, 46.8163, 34.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 177, 147) }
```

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

```
.background{ background-color: rgb(207,  
177, 147) }
```

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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