

# Converting Colors

XYZ(36.8391, 34.1250, 22.3899)

Have a look what the booklet for  
XYZ(36.8391, 34.1250, 22.3899)  
contains.

<b>XYZ(36.8498, 34.0938, 22.4079)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(36.8498, 34.0938,  
22.4079)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59378
RGB	197, 147, 120
RGB Percent	77%, 58%, 47%
CMY	0.2275, 0.4235, 0.5294
CMYK	0.00, 0.25, 0.39, 0.23
HSL	21°, 40%, 62%
HSV	21°, 39%, 77%
XYZ	36.8498, 34.0938, 22.4079
YIQ	158.8720, 38.4670, 2.2030

# Conversions

## Conversions Part 2

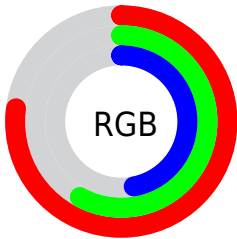
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 162, 120
Decimal	12948344
CIELab	65.04, 15.29, 21.64
CIELCh	65, 26.496, 54.754
Yxy	34.0938, 0.3947, 0.3652
Android (android.graphics.Color)	4291138424 (0xFFC59378)
YUV	158.8720, -19.1639, 33.4383
Hunter-Lab	58.3899, 10.4688, 18.1196

# Details

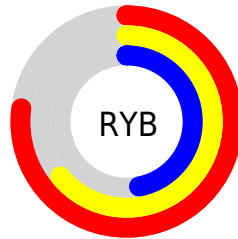
The XYZ color **36.8498, 34.0938, 22.4079** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.1979, 36.7723, 58.2239**, and the grayscale version is **32.9694, 34.6863, 37.7734**.

A 20% lighter version of the original color is **69.5730, 66.0118, 48.1044**, and **16.3047, 14.4834, 7.8975** is the 20% darker color. If you saturate the color by 10%, you get **33.8955, 29.9057, 16.1191**, and if you desaturate by 10%, it is **40.2730, 38.8260, 30.0672**.

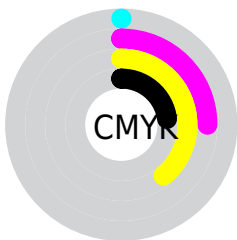
# Distribution



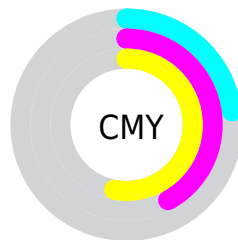
- Red (77%)
- Green (58%)
- Blue (47%)



- Red (77%)
- Yellow (64%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (39%)
- Black (23%)




- Cyan (23%)
- Magenta (42%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8498, 34.0938, 22.4079 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 36.8498, 34.0938, 22.4079 by changing the saturation by 10% instead.





 36.8498, 34.0938,  
22.4079


 36.8498, 34.0938,  
22.4079


324.0266,  
320.5501, 277.6918

 25.2644, 22.9657,  
13.9557


 69.6570, 66.0795,  
48.3301

 16.4039, 14.5682,  
7.9515


 91.6096, 87.7059,  
66.6371

 9.9031, 8.5169,  
3.9766


 117.7485,  
113.6004, 89.0663

 5.3965, 4.4274,  
1.6125

148.4392,  
144.1476, 116.0360

 2.5189, 1.9154,  
0.2997

184.0470,  
179.7318, 147.9649

 0.9048, 0.5576,  
0.0000

224.9372,

 0.0000, 0.0000,

220.7373, 185.2714

0.0000

271.4753,  
267.5486, 228.3742

■ 36.8498, 34.0938,  
22.4079

■ 36.8498, 34.0938,  
22.4079

■ 33.8955, 29.9057,  
16.1191

■ 40.2730, 38.8260,  
30.0672

■ 31.3851, 26.2362,  
11.1164

■ 44.1834, 44.1166,  
39.1704

■ 29.2950, 23.0650,  
7.3090


■ 48.6011, 49.9855,  
49.7882

■ 27.5980, 20.3685,  
4.5932


■ 53.5445, 56.4503,  
61.9859


■ 26.2630, 18.1204,  
2.8475


■ 59.0310, 63.5275,  
75.8249


 25.2421, 16.2870,  
1.8650

 65.0771, 71.2331,  
91.3635

 25.1595, 16.1375,  
1.7888

 71.2279, 79.3942,  
106.1782

 75.0549, 87.0482,  
107.4539

 76.8359, 90.6103,  
108.0476

# Harmonies

## Analogous

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



39.5737, 34.0938, 28.9629



36.8498, 34.0938, 22.4079



33.0841, 34.0938, 19.8130

# Triad

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



36.8498, 34.0938, 22.4079



25.6025, 34.0938, 35.2245



35.5920, 34.0938, 59.7937

# Complementary

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



36.8498, 34.0938, 22.4079



32.1979, 36.7723, 58.2239

# 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.



31.7355, 34.0938, 62.3749



36.8498, 34.0938, 22.4079



26.1591, 34.0938, 46.6862

# Square

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



36.8498, 34.0938, 22.4079



26.7481, 34.0938, 26.2196



28.3331, 34.0938, 57.1792



38.8083, 34.0938, 50.6927



# Rectangle

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



36.8498, 34.0938, 22.4079



30.5632, 34.0938, 20.2156



28.3331, 34.0938, 57.1792



34.3196, 34.0938, 61.5197

# Sweetspot

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



36.8507, 34.0954, 22.4086



84.4949, 86.1556, 82.9821



37.0030, 28.2078, 41.5496



17.8575, 18.1388, 17.2121



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.



36.8507, 34.0954, 22.4086



61.3819, 54.5298, 30.2672



43.8594, 48.1129, 24.7448



10.9331, 11.2353, 11.1552



16.6200, 10.7572, 1.2004



0.8550, 0.6454, 0.0795

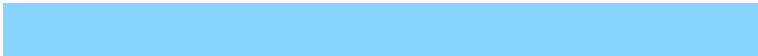


# Inverse Universe

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



32.1979, 36.7723, 58.2239



51.8520, 59.9557, 103.4475



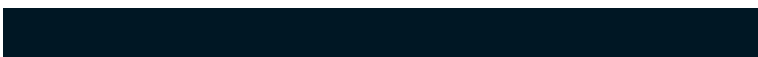
26.0145, 24.4054, 56.1628



10.6216, 11.4173, 13.5614



11.7792, 12.9523, 36.6236



0.6239, 0.7455, 1.7562



# Previews

## White Background



This preview shows how the XYZ color 36.8498, 34.0938, 22.4079 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 36.8498, 34.0938, 22.4079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

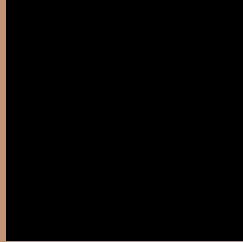
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.8498, 34.0938, 22.4079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8498, 34.0938, 22.4079.



This preview shows how white text looks on a background with the XYZ color 36.8498, 34.0938,



# 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

36.8498, 34.0938, 22.4079

### Protanopia

32.0770, 34.2592, 24.3241

### Deuteranopia

34.8077, 34.2275, 22.2248



## Tritanopia

39.2422, 33.9253, 34.6169

# Trichromacy



## Original Color

36.8498, 34.0938, 22.4079

## Protanomaly

33.7212, 34.1250, 23.5484

## Deuteranomaly

35.4713, 34.0918, 22.1636

## Tritanomaly

38.3342, 34.0117, 29.7438

# Monochromacy



## Original Color

36.8498, 34.0938, 22.4079

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.0658, 34.3713, 31.6269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8498, 34.0938, 22.4079 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(197, 147, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 147, 120)  
}
```

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(197, 147, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 147, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8498, 34.0938, 22.4079 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".

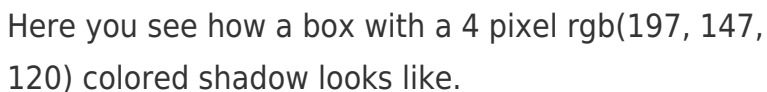
```
.border, #border, table{ border:4px solid rgb(197, 147, 120) }
```



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

```
.border{ border-color:rgb(197, 147, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 147, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 147, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 147, 120); box-shadow:4px 4px 4px 4px rgb(197, 147, 120) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8498, 34.0938, 22.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 147, 120) }
```

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

```
.background{ background-color: rgb(197,  
147, 120) }
```

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