

Converting Colors

XYZ(36.7443, 34.8734, 6.6789)

Have a look what the booklet for
XYZ(36.7443, 34.8734, 6.6789)
contains.

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Color

**XYZ(36.8458, 34.9068,
6.7152)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9527
RGB	207, 149, 39
RGB Percent	81%, 58%, 15%
CMY	0.1882, 0.4157, 0.8470
CMYK	0.00, 0.28, 0.81, 0.19
HSL	39°, 68%, 48%
HSV	39°, 81%, 81%
XYZ	36.8458, 34.9068, 6.7152
YIQ	153.8020, 69.8780, -21.9140

Conversions

Conversions Part 2

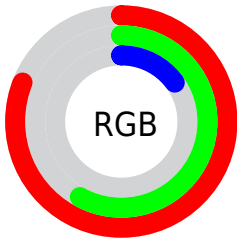
Format	Color
RYB	128, 207, 39
Decimal	13604135
CIELab	65.68, 12.52, 61.80
CIELCh	66, 63.058, 78.545
Yxy	34.9068, 0.4696, 0.4449
Android (android.graphics.Color)	4291794215 (0xFFCF9527)
YUV	153.8020, -56.5974, 46.6546
Hunter-Lab	59.0820, 7.9260, 34.6185

Details

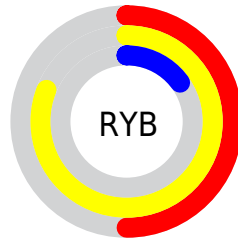
The XYZ color **36.8458, 34.9068, 6.7152** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.3738, 13.4854, 60.7710**, and the grayscale version is **30.8482, 32.4547, 35.3432**.

A 20% lighter version of the original color is **64.6163, 64.7800, 19.6878**, and **16.6746, 15.2196, 2.0588** is the 20% darker color. If you saturate the color by 10%, you get **35.4958, 32.6143, 5.0098**, and if you desaturate by 10%, it is **38.4537, 37.4163, 9.4295**.

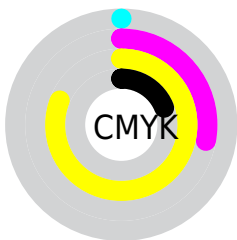
Distribution



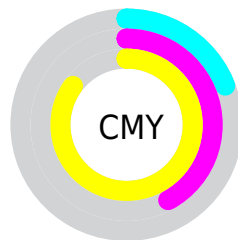
- Red (81%)
- Green (58%)
- Blue (15%)



- Red (50%)
- Yellow (81%)
- Blue (15%)



- Cyan (0%)
- Magenta (28%)
- Yellow (81%)
- Black (19%)





- Cyan (19%)
- Magenta (42%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8458, 34.9068, 6.7152 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 36.8458, 34.9068, 6.7152 by changing the saturation by 10% instead.


 36.8458, 34.9068,
6.7152


 36.8458, 34.9068,
6.7152


324.0096,
324.1568, 174.8160


 25.2612, 23.5911,
3.2089


 69.6509, 67.3414,
19.9010

 16.4016, 15.0306,
1.2023


 91.6022, 89.2290,
30.4175

 9.9014, 8.8408,
0.0000


 117.7398,
115.4094, 44.1078

 5.3954, 4.6375,
0.0000

 148.4290,
146.2670, 61.3906

 2.5182, 2.0362,
0.0000

 184.0353,
182.1861, 82.6842

 0.9044, 0.6284,
0.0000

 224.9239,

 0.0000, 0.0000,

223.5512, 108.4073

0.0000

271.4602,
270.7466, 138.9784

■ 36.8458, 34.9068,
6.7152

■ 36.8458, 34.9068,
6.7152

■ 35.4958, 32.6143,
5.0098

■ 38.4537, 37.4163,
9.4295

■ 34.4716, 30.7446,
4.1175

■ 40.3450, 40.1506,
13.2915

■ 42.5440, 43.1229,
18.4200

■ 45.0714, 46.3431,
24.9185

■ 47.9460, 49.8206,
32.8795

■ 51.1846, 53.5639,
42.3875

■ 54.8032, 57.5811,
53.5206

■ 58.8165, 61.8797,
66.3514

■ 63.2385, 66.4669,
80.9482

Harmonies

Analogous

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



46.4354, 34.9068, 11.1465



36.8458, 34.9068, 6.7152



27.8245, 34.9068, 7.2431

Triad

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



36.8458, 34.9068, 6.7152



18.9834, 34.9068, 56.6696



48.4136, 34.9068, 82.8202

Complementary

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



36.8458, 34.9068, 6.7152



16.3738, 13.4854, 60.7710

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.



39.1773, 34.9068, 109.8730



36.8458, 34.9068, 6.7152



22.7195, 34.9068, 90.5542

Square

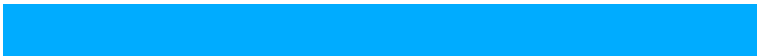
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.8458, 34.9068, 6.7152



18.5928, 34.9068, 28.7428



29.7618, 34.9068, 113.2232



53.8977, 34.9068, 49.0757

Rectangle

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



36.8458, 34.9068, 6.7152



23.2624, 34.9068, 10.4271



29.7618, 34.9068, 113.2232



45.5732, 34.9068, 93.5592

Sweetspot

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



36.8466, 34.9086, 6.7159



80.3419, 83.9195, 62.8849



28.6529, 15.5948, 13.0064



16.7956, 17.4990, 12.2829



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.



36.8466, 34.9086, 6.7159



55.5840, 49.8810, 6.9181



41.9232, 54.6926, 10.2670



12.4456, 13.0818, 12.4811



21.8101, 19.5531, 2.6246



1.2919, 1.2382, 0.1709

Inverse Universe

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



16.3738, 13.4854, 60.7710



22.0634, 15.1047, 96.3604



14.1157, 7.0531, 59.6485



11.4926, 12.0755, 14.9687



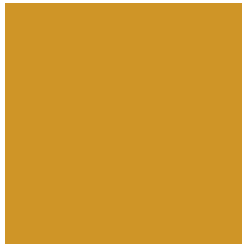
8.6139, 5.8744, 37.8724



0.5549, 0.4751, 2.1420

Previews

White Background



This preview shows how the XYZ color 36.8458, 34.9068, 6.7152 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 36.8458, 34.9068, 6.7152 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 36.8458, 34.9068, 6.7152

Background



This preview shows how black text looks on a background with the XYZ color 36.8458, 34.9068, 6.7152.



This preview shows how white text looks on a background with the XYZ color 36.8458, 34.9068,

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

36.8458, 34.9068, 6.7152

Protanopia

31.8111, 35.0121, 7.2719

Deuteranopia

35.6655, 35.0139, 6.7123



Tritanopia

42.3890, 34.9313, 32.9420

Trichromacy



Original Color

36.8458, 34.9068, 6.7152

Protanomaly

33.5239, 34.8842, 7.0642

Deuteranomaly

36.0451, 34.9697, 6.6838

Tritanomaly

39.4467, 34.5979, 19.0670

Monochromacy



Original Color

36.8458, 34.9068, 6.7152

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.3864, 32.5106, 19.9502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8458, 34.9068, 6.7152 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, 149, 39)` looks like.

```
.text, #text, p{  
    color:rgb(207, 149, 39)  
}
```

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, 149, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 149, 39) }
```

Border

The CSS property to change the border of an element to XYZ 36.8458, 34.9068, 6.7152 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, 149, 39) }
```


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

```
.border{ border-color:rgb(207, 149, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 149, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 149, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 149, 39);  
box-shadow:4px 4px 4px 4px rgb(207, 149,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8458, 34.9068, 6.7152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 149, 39) }
```

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

```
.background{ background-color: rgb(207,  
149, 39) }
```

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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