

Converting Colors

XYZ(36.5798, 36.9465, 7.9997)

Have a look what the booklet for
XYZ(36.5798, 36.9465, 7.9997)
contains.

XYZ(36.5798, 36.9465, 7.9997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.5798, 36.9465,
7.9997)**

Conversions

Conversions Part 1

Format	Color
Hex	C89E30
RGB	200, 158, 48
RGB Percent	78%, 62%, 19%
CMY	0.2157, 0.3804, 0.8118
CMYK	0.00, 0.21, 0.76, 0.22
HSL	43°, 61%, 49%
HSV	43°, 76%, 78%
XYZ	36.5798, 36.9465, 7.9997
YIQ	158.0180, 60.3420, -25.3060

Conversions

Conversions Part 2

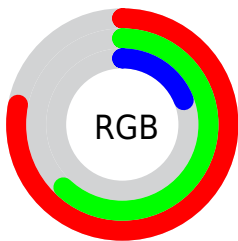
Format	Color
R_{YB}	106, 200, 48
Decimal	13147696
CIE _{Lab}	67.24, 4.92, 59.75
CIE _{LCh}	67, 59.948, 85.297
Yxy	36.9465, 0.4487, 0.4532
Android (android.graphics.Color)	4291337776 (0xFFC89E30)
YUV	158.0180, -54.2389, 36.8182
Hunter-Lab	60.7836, 1.0506, 34.7454

Details

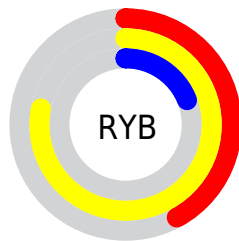
The XYZ color **36.5798, 36.9465, 7.9997** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.3003, 12.1105, 56.1744**, and the grayscale version is **32.7277, 34.4321, 37.4966**.

A 20% lighter version of the original color is **67.1818, 69.3063, 22.4070**, and **16.4130, 16.2662, 2.2746** is the 20% darker color. If you saturate the color by 10%, you get **35.3352, 34.9757, 5.9875**, and if you desaturate by 10%, it is **38.0545, 39.0801, 11.0069**.

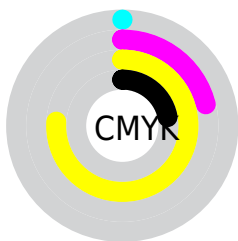
Distribution



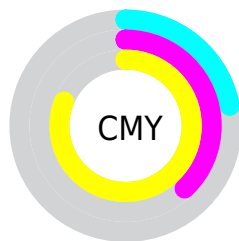
- Red (78%)
- Green (62%)
- Blue (19%)



- Red (42%)
- Yellow (78%)
- Blue (19%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (22%)





- Cyan (22%)
- Magenta (38%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5798, 36.9465, 7.9997 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 36.5798, 36.9465, 7.9997 by changing the saturation by 10% instead.


 36.5798, 36.9465,
7.9997


 36.5798, 36.9465,
7.9997


322.8749,
333.0788, 185.6642


 25.0545, 25.1661,
4.0070


 69.2441, 70.4905,
22.5040

 16.2466, 16.2008,
1.6292


 91.1138, 93.0228,
33.8527


 9.7908, 9.6664,
0.3115


 117.1623,
119.9080, 48.4905

 5.3217, 5.1783,
0.0000

 147.7550,
151.5302, 66.8358

 2.4739, 2.3523,
0.0000

 183.2573,
188.2741, 89.3073

 0.8821, 0.8012,
0.0000

 224.0344,

 0.0000, 0.0000,

230.5239, 116.3235

0.0000

270.4519,
278.6640, 148.3030

■ 36.5798, 36.9465,
7.9997

■ 36.5798, 36.9465,
7.9997

■ 35.3352, 34.9757,
5.9875

■ 38.0545, 39.0801,
11.0069

■ 34.2897, 33.1500,
4.8212

■ 39.7794, 41.3810,
15.1240

■ 33.9054, 32.4516,
4.4768

■ 41.7751, 43.8597,
20.4523

■ 44.0589, 46.5241,
27.0811

■ 46.6467, 49.3812,
35.0913

■ 49.5530, 52.4377,
44.5571

■ 52.7915, 55.6999,
55.5475

■ 56.3748, 59.1735,
68.1269

■ 60.3149, 62.8642,
82.3561

Harmonies

Analogous

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



46.1218, 36.9465, 11.3871



36.5798, 36.9465, 7.9997



28.1191, 36.9465, 9.6964

Triad

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



36.5798, 36.9465, 7.9997



21.4849, 36.9465, 65.8437



51.6667, 36.9465, 76.2967

Complementary

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



36.5798, 36.9465, 7.9997



15.3003, 12.1105, 56.1744

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.



43.1880, 36.9465, 105.1872



36.5798, 36.9465, 7.9997



26.0180, 36.9465, 97.5350

Square

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



36.5798, 36.9465, 7.9997



20.3324, 36.9465, 36.2347



33.6928, 36.9465, 114.2907



55.7435, 36.9465, 44.5054

Rectangle

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



36.5798, 36.9465, 7.9997



24.0323, 36.9465, 14.1659



33.6928, 36.9465, 114.2907



49.1724, 36.9465, 87.1314

Sweetspot

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



36.5806, 36.9483, 8.0004



82.0505, 86.8751, 64.8777



26.7677, 15.1500, 11.4266



17.1858, 18.1912, 12.6849



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.



36.5806, 36.9483, 8.0004



60.0006, 58.5346, 8.9439



37.1382, 49.7445, 10.4410



11.2666, 11.9023, 11.2663



21.6367, 20.7906, 2.8726



1.0829, 1.1013, 0.1555

Inverse Universe

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



15.3003, 12.1105, 56.1744



21.8154, 14.2279, 96.2042



14.8702, 8.0308, 55.4096



10.2912, 10.7565, 13.4513



7.5706, 4.5351, 35.2207



0.4209, 0.3397, 1.6885

Previews

White Background



This preview shows how the XYZ color 36.5798, 36.9465, 7.9997 looks on a white background.

Color Contrast Check

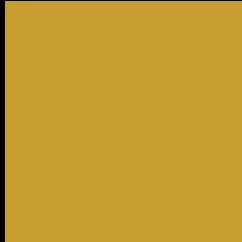
Large Text (above 18pt) WCAG AA × Fail

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 36.5798, 36.9465, 7.9997 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 36.5798, 36.9465, 7.9997

Background



This preview shows how black text looks on a background with the XYZ color 36.5798, 36.9465, 7.9997.



This preview shows how white text looks on a background with the XYZ color 36.5798, 36.9465,

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

36.5798, 36.9465, 7.9997

Protanopia

33.6183, 36.9716, 8.3820

Deuteranopia

37.8964, 37.1205, 8.0733



Tritanopia

42.8603, 37.0929, 37.7016

Trichromacy



Original Color

36.5798, 36.9465, 7.9997

Protanomaly

34.7099, 37.0096, 8.2199

Deuteranomaly

37.5132, 37.1731, 8.1037

Tritanomaly

39.7348, 36.7675, 22.4554

Monochromacy



Original Color

36.5798, 36.9465, 7.9997

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.7305, 34.6460, 22.1018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5798, 36.9465, 7.9997 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(200, 158, 48)` looks like.

```
.text, #text, p{  
    color:rgb(200, 158, 48)  
}
```

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(200, 158, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 158, 48) }
```

Border

The CSS property to change the border of an element to XYZ 36.5798, 36.9465, 7.9997 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(200, 158, 48) }
```


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

```
.border{ border-color:rgb(200, 158, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 158, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 158, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 158, 48);  
box-shadow:4px 4px 4px 4px rgb(200, 158,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5798, 36.9465, 7.9997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 158, 48) }
```

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

```
.background{ background-color: rgb(200,  
158, 48) }
```

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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