

Converting Colors

XYZ(34.8248, 36.0630, 6.9591)

Have a look what the booklet for
XYZ(34.8248, 36.0630, 6.9591)
contains.

XYZ(34.8248, 36.0630, 6.9591)	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(34.8248, 36.0630,
6.9591)**

Conversions

Conversions Part 1

Format	Color
Hex	C29E26
RGB	194, 158, 38
RGB Percent	76%, 62%, 15%
CMY	0.2392, 0.3804, 0.8510
CMYK	0.00, 0.19, 0.80, 0.24
HSL	46°, 67%, 45%
HSV	46°, 80%, 76%
XYZ	34.8248, 36.0630, 6.9591
YIQ	155.0840, 59.9760, -29.6880

Conversions

Conversions Part 2

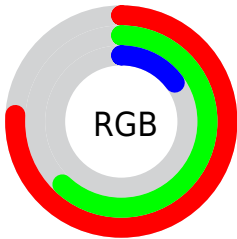
Format	Color
RYB	85, 194, 38
Decimal	12754470
CIELab	66.57, 1.89, 62.39
CIELCh	67, 62.423, 88.268
Yxy	36.0630, 0.4473, 0.4633
Android (android.graphics.Color)	4290944550 (0xFFC29E26)
YUV	155.0840, -57.7224, 34.1293
Hunter-Lab	60.0525, -1.5786, 35.1660

Details

The XYZ color **34.8248, 36.0630, 6.9591** 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 **12.9857, 9.2045, 52.1306**, and the grayscale version is **31.4229, 33.0594, 36.0017**.

A 20% lighter version of the original color is **66.4369, 68.9659, 20.3998**, and **15.4110, 15.7496, 2.2277** is the 20% darker color. If you saturate the color by 10%, you get **33.8401, 34.4710, 5.4685**, and if you desaturate by 10%, it is **36.0019, 37.7794, 9.3187**.

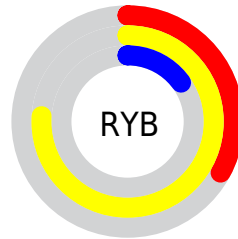
Distribution



Red (76%)

Green (62%)

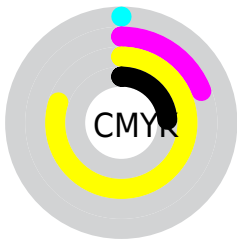
Blue (15%)



Red (33%)

Yellow (76%)

Blue (15%)

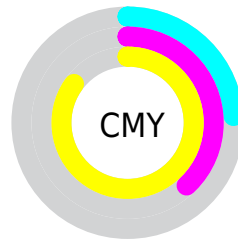


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (24%)



Cyan (24%)


Magenta (38%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8248, 36.0630, 6.9591 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 34.8248, 36.0630, 6.9591 by changing the saturation by 10% instead.


 34.8248, 36.0630,
6.9591


 34.8248, 36.0630,
6.9591


315.3159,
329.2358, 176.9414

 23.6938, 24.4829,
3.3585


 66.5501, 69.1293,
20.4024

 15.2302, 15.6922,
1.2805


 87.8751, 91.3842,
31.0821

 9.0684, 9.3066,
0.0457


 113.3288,
117.9662, 44.9585

 4.8433, 4.9417,
0.0000

 143.2767,
149.2597, 62.4503

 2.1894, 2.2131,
0.0000

 178.0839,
185.6490, 83.9760

 0.7372, 0.7271,
0.0000

 218.1160,

 0.0000, 0.0000,

227.5185, 109.9540

0.0000

263.7382,
275.2526, 140.8030

■ 34.8248, 36.0630,
6.9591

■ 34.8248, 36.0630,
6.9591

■ 33.8401, 34.4710,
5.4685

■ 36.0019, 37.7794,
9.3187

■ 33.0328, 33.0390,
4.6361

■ 37.3916, 39.6243,
12.6626

■ 39.0137, 41.6077,
17.0906

■ 40.8851, 43.7366,
22.6897

■ 43.0208, 46.0175,
29.5381

■ 45.4347, 48.4565,
37.7070

■ 48.1395, 51.0589,
47.2625

■ 51.1471, 53.8301,
58.2660

■ 54.4688, 56.7750,
70.7754

Harmonies

Analogous

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



44.6648, 36.0630, 9.6814



34.8248, 36.0630, 6.9591



26.4248, 36.0630, 9.0804

Triad

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



34.8248, 36.0630, 6.9591



20.7192, 36.0630, 69.1617



52.0191, 36.0630, 73.1808

Complementary

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



34.8248, 36.0630, 6.9591



12.9857, 9.2045, 52.1306

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.



43.5479, 36.0630, 104.5919



34.8248, 36.0630, 6.9591



25.6389, 36.0630, 101.6207

Square

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



34.8248, 36.0630, 6.9591



19.2248, 36.0630, 37.7259



33.7346, 36.0630, 116.8324



55.6500, 36.0630, 40.8484

Rectangle

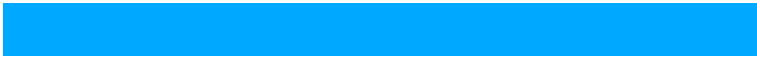
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.8248, 36.0630, 6.9591



22.5019, 36.0630, 13.9425



33.7346, 36.0630, 116.8324



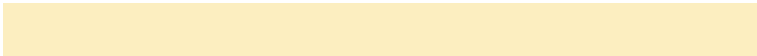
49.5753, 36.0630, 84.6622

Sweetspot

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



34.8256, 36.0648, 6.9598



80.5188, 86.0024, 62.1454



24.1908, 13.3556, 7.8529



17.2880, 18.4838, 12.4470



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.



34.8256, 36.0648, 6.9598



60.2232, 60.5213, 8.7976



32.6655, 45.4373, 8.8827



10.7100, 11.3515, 10.6885



21.7829, 21.8515, 3.0697



0.9905, 1.0427, 0.1491

Inverse Universe

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



12.9857, 9.2045, 52.1306



19.7177, 11.0205, 93.5577



13.7056, 6.9698, 51.6613



9.7127, 10.1168, 12.7256



7.0659, 3.8882, 33.9347



0.3596, 0.2767, 1.4843

Previews

White Background



This preview shows how the XYZ color 34.8248, 36.0630, 6.9591 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 34.8248, 36.0630, 6.9591 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 34.8248, 36.0630, 6.9591

Background



This preview shows how black text looks on a background with the XYZ color 34.8248, 36.0630, 6.9591.



This preview shows how white text looks on a background with the XYZ color 34.8248, 36.0630,

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

34.8248, 36.0630, 6.9591

Protanopia

32.5779, 35.9322, 7.1380

Deuteranopia

36.8404, 36.1018, 7.0341



Tritanopia

41.0488, 35.9272, 37.5720

Trichromacy



Original Color

34.8248, 36.0630, 6.9591

Protanomaly

33.3608, 36.0753, 7.1244

Deuteranomaly

35.9070, 35.8685, 6.9503

Tritanomaly

37.7143, 35.5131, 21.0866

Monochromacy



Original Color

34.8248, 36.0630, 6.9591

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1753, 33.3818, 20.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8248, 36.0630, 6.9591 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(194, 158, 38)` looks like.

```
.text, #text, p{  
    color:rgb(194, 158, 38)  
}
```

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(194, 158, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 158, 38) }
```

Border

The CSS property to change the border of an element to XYZ 34.8248, 36.0630, 6.9591 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(194, 158, 38) }
```


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

```
.border{ border-color:rgb(194, 158, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 158, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 158, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 158, 38);  
box-shadow:4px 4px 4px 4px rgb(194, 158,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8248, 36.0630, 6.9591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 158, 38) }
```

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

```
.background{ background-color: rgb(194,  
158, 38) }
```

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