

Converting Colors

XYZ(33.9050, 34.2025, 6.7178)

Have a look what the booklet for
XYZ(33.9050, 34.2025, 6.7178)
contains.

XYZ(33.8426, 34.0723, 6.7124)	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(33.8426, 34.0723,
6.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	C29827
RGB	194, 152, 39
RGB Percent	76%, 60%, 15%
CMY	0.2392, 0.4039, 0.8470
CMYK	0.00, 0.22, 0.80, 0.24
HSL	44°, 67%, 46%
HSV	44°, 80%, 76%
XYZ	33.8426, 34.0723, 6.7124
YIQ	151.6760, 61.3050, -26.2390

Conversions

Conversions Part 2

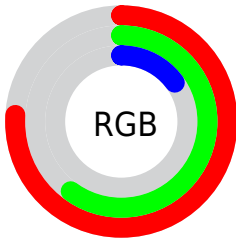
Format	Color
R_{YB}	97, 194, 39
Decimal	12752935
CIE _{Lab}	65.02, 5.16, 60.68
CIE _{LCh}	65, 60.901, 85.136
Yxy	34.0723, 0.4535, 0.4566
Android (android.graphics.Color)	4290943015 (0xFFC29827)
YUV	151.6760, -55.5493, 37.1181
Hunter-Lab	58.3715, 1.3406, 34.0420

Details

The XYZ color **33.8426, 34.0723, 6.7124** 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 **13.5168, 10.2111, 52.2971**, and the grayscale version is **29.9195, 31.4777, 34.2792**.

A 20% lighter version of the original color is **64.9647, 66.0216, 19.9091**, and **14.8070, 14.5416, 2.0264** is the 20% darker color. If you saturate the color by 10%, you get **32.7655, 32.3079, 5.1526**, and if you desaturate by 10%, it is **35.1233, 35.9814, 9.1511**.

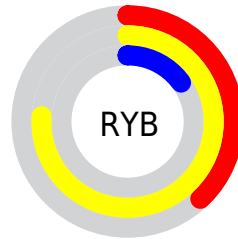
Distribution



Red (76%)

Green (60%)

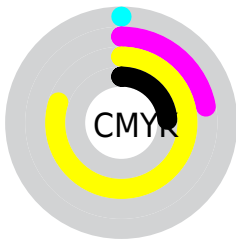
Blue (15%)



Red (38%)

Yellow (76%)

Blue (15%)

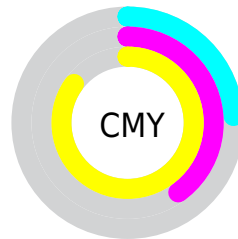


Cyan (0%)

Magenta (22%)

Yellow (80%)

Black (24%)



Cyan (24%)


Magenta (40%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8426, 34.0723, 6.7124 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 33.8426, 34.0723, 6.7124 by changing the saturation by 10% instead.


 33.8426, 34.0723,
6.7124


 33.8426, 34.0723,
6.7124


311.0279,
320.4543, 174.7914


 22.9350, 22.9491,
3.2072


 65.0347, 66.0461,
19.8952

 14.6660, 14.5560,
1.2014


 86.0500, 87.6655,
30.4098


 8.6701, 8.5083,
0.0000


 111.1652,
113.5525, 44.0980

 4.5820, 4.4219,
0.0000

 140.7458,
144.0914, 61.3783

 2.0364, 1.9123,
0.0000

 175.1569,
179.6666, 82.6693

 0.6543, 0.5557,
0.0000

 214.7641,

 0.0000, 0.0000,

220.6626, 108.3894

0.0000

259.9327,
267.4637, 138.9572

■ 33.8426, 34.0723,
6.7124

■ 33.8426, 34.0723,
6.7124

■ 32.7655, 32.3079,
5.1526

■ 35.1233, 35.9814,
9.1511

■ 31.8468, 30.6652,
4.2463

■ 36.6279, 38.0400,
12.5830

■ 31.8375, 30.6483,
4.2377

■ 38.3761, 40.2580,
17.1073

■ 40.3850, 42.6430,
22.8104

■ 42.6697, 45.2018,
29.7701

■ 45.2440, 47.9406,
38.0576

■ 48.1210, 50.8654,
47.7385

■ 51.3126, 53.9815,
58.8743

■ 54.8302, 57.2943,
71.5227

Harmonies

Analogous

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



43.0672, 34.0723, 9.8294



33.8426, 34.0723, 6.7124



25.7079, 34.0723, 8.2281

Triad

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



33.8426, 34.0723, 6.7124



19.3405, 34.0723, 61.7625



48.3705, 34.0723, 72.3226

Complementary

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



33.8426, 34.0723, 6.7124



13.5168, 10.2111, 52.2971

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.



40.1277, 34.0723, 100.6453



33.8426, 34.0723, 6.7124



23.6331, 34.0723, 92.8528

Square

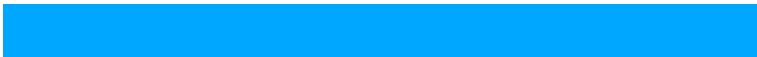
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.8426, 34.0723, 6.7124



18.2665, 34.0723, 33.1350



30.9693, 34.0723, 109.4907



52.3697, 34.0723, 41.3671

Rectangle

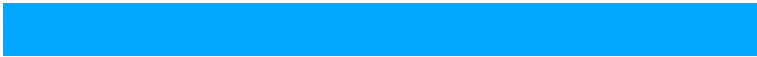
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.8426, 34.0723, 6.7124



21.7992, 34.0723, 12.3177



30.9693, 34.0723, 109.4907



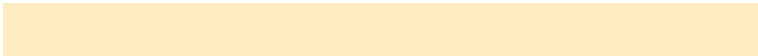
45.9389, 34.0723, 82.9343

Sweetspot

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



33.8434, 34.0740, 6.7131



79.8125, 84.5899, 61.9100



24.5319, 13.5439, 9.4887



17.1126, 18.1329, 12.3885



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.



33.8434, 34.0740, 6.7131



58.0886, 56.2522, 8.0861



34.2387, 46.2465, 9.0418



10.6752, 11.2818, 10.6768



21.0032, 20.2922, 2.8098



0.9621, 0.9860, 0.1396

Inverse Universe

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



13.5168, 10.2111, 52.2971



20.3365, 12.2580, 93.7640



13.1797, 6.7467, 51.6462



9.7454, 10.1822, 12.7365



7.2853, 4.3272, 34.0079



0.3741, 0.3056, 1.4892

Previews

White Background



This preview shows how the XYZ color 33.8426, 34.0723, 6.7124 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 33.8426, 34.0723, 6.7124 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 33.8426, 34.0723, 6.7124

Background



This preview shows how black text looks on a background with the XYZ color 33.8426, 34.0723, 6.7124.



This preview shows how white text looks on a background with the XYZ color 33.8426, 34.0723,

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

33.8426, 34.0723, 6.7124

Protanopia

30.9872, 34.0788, 7.0425

Deuteranopia

34.8425, 34.1080, 6.7546



Tritanopia

39.5102, 34.0634, 34.6295

Trichromacy



Original Color

33.8426, 34.0723, 6.7124

Protanomaly

32.0386, 34.1205, 6.9048

Deuteranomaly

34.4756, 34.1567, 6.7833

Tritanomaly

36.4922, 33.7334, 19.9171

Monochromacy



Original Color

33.8426, 34.0723, 6.7124

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0338, 31.8197, 19.5978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8426, 34.0723, 6.7124 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, 152, 39)` looks like.

```
.text, #text, p{  
    color:rgb(194, 152, 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(194, 152, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 152, 39) }
```

Border

The CSS property to change the border of an element to XYZ 33.8426, 34.0723, 6.7124 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, 152, 39) }
```


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

```
.border{ border-color:rgb(194, 152, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 152, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 152, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 152, 39);  
box-shadow:4px 4px 4px 4px rgb(194, 152,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8426, 34.0723, 6.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 152, 39) }
```

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

```
.background{ background-color: rgb(194,  
152, 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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