

Converting Colors

XYZ(33.7804, 34.3753, 8.7761)

Have a look what the booklet for
XYZ(33.7804, 34.3753, 8.7761)
contains.

XYZ(33.7800, 34.4830, 8.7464)	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(33.7800, 34.4830,
8.7464)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9A39
RGB	191, 154, 57
RGB Percent	75%, 60%, 22%
CMY	0.2510, 0.3961, 0.7765
CMYK	0.00, 0.19, 0.70, 0.25
HSL	43°, 54%, 49%
HSV	43°, 70%, 75%
XYZ	33.7800, 34.4830, 8.7464
YIQ	154.0050, 53.1890, -22.3230

Conversions

Conversions Part 2

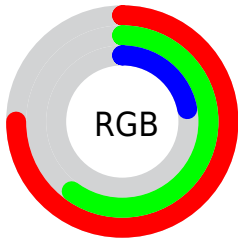
Format	Color
RYB	108, 191, 57
Decimal	12556857
CIELab	65.34, 3.55, 53.95
CIELCh	65, 54.070, 86.238
Yxy	34.4830, 0.4386, 0.4478
Android (android.graphics.Color)	4290746937 (0xFFBF9A39)
YUV	154.0050, -47.8235, 32.4446
Hunter-Lab	58.7222, -0.0817, 32.2746

Details

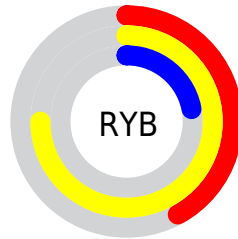
The XYZ color **33.7800, 34.4830, 8.7464** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **15.0939, 12.6365, 50.9335**, and the grayscale version is **30.9052, 32.5147, 35.4085**.

A 20% lighter version of the original color is **64.7405, 66.5399, 23.8993**, and **14.6818, 14.7688, 2.0769** is the 20% darker color. If you saturate the color by 10%, you get **32.5391, 32.6258, 6.4080**, and if you desaturate by 10%, it is **35.2399, 36.4917, 12.0425**.

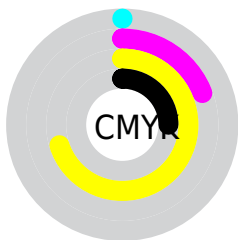
Distribution



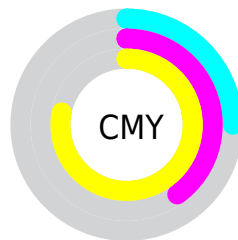
- Red (75%)
- Green (60%)
- Blue (22%)



- Red (42%)
- Yellow (75%)
- Blue (22%)



- Cyan (0%)
- Magenta (19%)
- Yellow (70%)
- Black (25%)





- Cyan (25%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7800, 34.4830, 8.7464 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 33.7800, 34.4830, 8.7464 by changing the saturation by 10% instead.


 33.7800, 34.4830,
8.7464


 33.7800, 34.4830,
8.7464


310.7532,
322.2804, 191.6225


 22.8867, 23.2649,
4.4816

 64.9380, 66.6841,
23.9791

 14.6301, 14.7892,
1.8931


 85.9334, 88.4358,
35.7840


 8.6448, 8.6716,
0.4883


 111.0269,
114.4676, 50.9395

 4.5655, 4.5276,
0.0000

 140.5838,
145.1638, 69.8639

 2.0268, 1.9729,
0.0000

 174.9696,
180.9087, 92.9759

 0.6489, 0.5916,
0.0000

 214.5495,

 0.0000, 0.0000,

222.0869, 120.6940

0.0000

259.6889,
269.0827, 153.4366

■ 33.7800, 34.4830,
8.7464

■ 33.7800, 34.4830,
8.7464

■ 32.5391, 32.6258,
6.4080

■ 35.2399, 36.4917,
12.0425

■ 31.4931, 30.9056,
4.9128

■ 36.9349, 38.6550,
16.3894

■ 30.6126, 29.3301,
4.0478

■ 38.8822, 40.9819,
21.8712

■ 41.0963, 43.4790,
28.5628

■ 43.5908, 46.1524,
36.5330

■ 46.3781, 49.0078,
45.8451

■ 49.4699, 52.0505,
56.5583

■ 52.8770, 55.2856,
68.7283

■ 56.6100, 58.7179,
82.4076

Harmonies

Analogous

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



41.9445, 34.4830, 11.7791



33.7800, 34.4830, 8.7464



26.5182, 34.4830, 10.5120

Triad

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



33.7800, 34.4830, 8.7464



20.9690, 34.4830, 60.2027



47.0660, 34.4830, 67.2194

Complementary

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



33.7800, 34.4830, 8.7464



15.0939, 12.6365, 50.9335

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.



39.9460, 34.4830, 91.5192



33.7800, 34.4830, 8.7464



25.0499, 34.4830, 86.4553

Square

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



33.7800, 34.4830, 8.7464



19.8536, 34.4830, 34.7684



31.7902, 34.4830, 99.6852



50.3529, 34.4830, 40.4680

Rectangle

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



33.7800, 34.4830, 8.7464



22.9985, 34.4830, 14.8077



31.7902, 34.4830, 99.6852



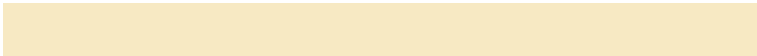
44.9909, 34.4830, 76.3030

Sweetspot

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



33.7808, 34.4847, 8.7471



77.5192, 82.0795, 63.6283



25.0132, 14.8285, 12.3629



16.7407, 17.7252, 13.0611



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7808, 34.4847, 8.7471



57.2678, 56.8094, 9.9169



34.2629, 45.2347, 10.7966



10.0935, 10.6630, 10.1028



20.1886, 19.4159, 2.6836



0.8429, 0.8648, 0.1225

Inverse Universe

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



15.0939, 12.6365, 50.9335



21.9703, 15.7178, 90.1550



14.7082, 8.6683, 50.1879



9.2252, 9.6426, 12.0472



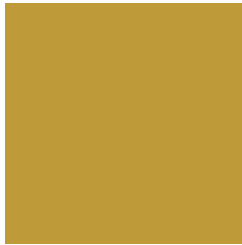
7.0678, 4.2474, 32.8402



0.3338, 0.2802, 1.3054

Previews

White Background



This preview shows how the XYZ color 33.7800, 34.4830, 8.7464 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 33.7800, 34.4830, 8.7464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

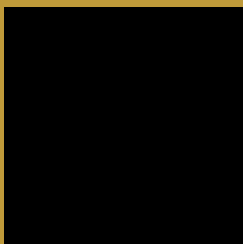
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

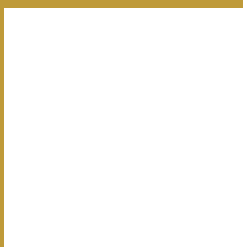
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7800, 34.4830, 8.7464

Background



This preview shows how black text looks on a background with the XYZ color 33.7800, 34.4830, 8.7464.



This preview shows how white text looks on a background with the XYZ color 33.7800, 34.4830,

8.7464.

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

33.7800, 34.4830, 8.7464

Protanopia

31.2933, 34.4489, 9.0030

Deuteranopia

35.1190, 34.4445, 8.8005



Tritanopia

39.1784, 34.3188, 35.5696

Trichromacy



Original Color

33.7800, 34.4830, 8.7464

Protanomaly

32.1121, 34.3645, 8.9435

Deuteranomaly

34.4976, 34.3641, 8.8177

Tritanomaly

36.4254, 34.1138, 22.1176

Monochromacy



Original Color

33.7800, 34.4830, 8.7464

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8217, 32.6586, 22.1320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7800, 34.4830, 8.7464 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(191, 154, 57)` looks like.

```
.text, #text, p{  
    color:rgb(191, 154, 57)  
}
```

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(191, 154, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 154, 57) }
```

Border

The CSS property to change the border of an element to XYZ 33.7800, 34.4830, 8.7464 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(191, 154, 57) }
```


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

```
.border{ border-color:rgb(191, 154, 57) }
```

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

Here you see how a box with a 4 pixel rgb(191, 154, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 154, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 154, 57);  
box-shadow:4px 4px 4px 4px rgb(191, 154,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7800, 34.4830, 8.7464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 154, 57) }
```

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

```
.background{ background-color: rgb(191,  
154, 57) }
```

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