

Converting Colors

XYZ(34.2342, 33.9656, 13.6175)

Have a look what the booklet for
XYZ(34.2342, 33.9656, 13.6175)
contains.

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Color

**XYZ(34.2322, 33.8815,
13.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9756
RGB	191, 151, 86
RGB Percent	75%, 59%, 34%
CMY	0.2510, 0.4078, 0.6627
CMYK	0.00, 0.21, 0.55, 0.25
HSL	37°, 45%, 54%
HSV	37°, 55%, 75%
XYZ	34.2322, 33.8815, 13.5396
YIQ	155.5500, 44.7050, -11.7350

Conversions

Conversions Part 2

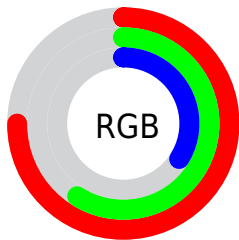
Format	Color
RYB	151, 191, 86
Decimal	12556118
CIELab	64.87, 7.17, 39.60
CIELCh	65, 40.246, 79.735
Yxy	33.8815, 0.4192, 0.4149
Android (android.graphics.Color)	4290746198 (0xFFBF9756)
YUV	155.5500, -34.2881, 31.0897
Hunter-Lab	58.2078, 3.1127, 26.9541

Details

The XYZ color **34.2322, 33.8815, 13.5396** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.7022, 20.6608, 52.1869**, and the grayscale version is **31.5341, 33.1763, 36.1290**.

A 20% lighter version of the original color is **65.7710, 65.7928, 32.8997**, and **14.8987, 14.4052, 3.8290** is the 20% darker color. If you saturate the color by 10%, you get **32.4283, 31.3452, 9.6358**, and if you desaturate by 10%, it is **36.3156, 36.6479, 18.5517**.

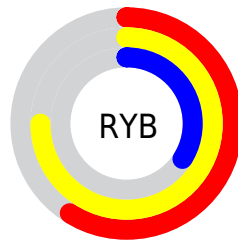
Distribution



Red (75%)

Green (59%)

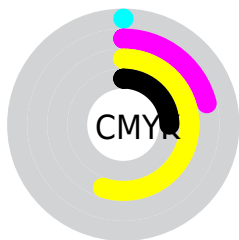
Blue (34%)



Red (59%)

Yellow (75%)

Blue (34%)

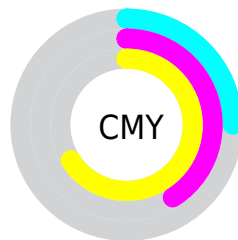


Cyan (0%)

Magenta (21%)

Yellow (55%)

Black (25%)



Cyan (25%)


Magenta (41%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2322, 33.8815, 13.5396 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 34.2322, 33.8815, 13.5396 by changing the saturation by 10% instead.


 34.2322, 33.8815,
13.5396


 34.2322, 33.8815,
13.5396


312.7339,
319.6033, 225.6755


 23.2358, 22.8026,
7.6661


 65.6365, 65.7494,
32.9751


 14.8893, 14.4478,
3.7973


 86.7751, 87.3071,
47.3742


 8.8276, 8.4328,
1.5148


 112.0251,
113.1265, 65.4523

 4.6851, 4.3731,
0.2289

 141.7518,
143.5921, 87.6278

 2.0965, 1.8844,
0.0000

 176.3208,
179.0881, 114.3193

 0.6873, 0.5390,
0.0000

216.0972,

 0.0000, 0.0000,

219.9991, 145.9454

0.0000

261.4464,
266.7094, 182.9246

■ 34.2322, 33.8815,
13.5396

■ 34.2322, 33.8815,
13.5396

■ 32.4283, 31.3452,
9.6358

■ 36.3156, 36.6479,
18.5517

■ 30.8835, 29.0247,
6.7495

■ 38.6923, 39.6479,
24.7492

■ 29.5778, 26.9113,
4.7786

■ 41.3778, 42.8911,
32.2045

■ 28.4861, 24.9929,
3.5984

■ 44.3859, 46.3848,
40.9836

■ 27.9933, 24.0913,
3.1747

■ 47.7293, 50.1360,
51.1480

■ 51.4199, 54.1514,
62.7550

■ 55.4692, 58.4372,
75.8590

■ 59.8879, 62.9995,
90.5113

■ 64.2156, 67.6559,
104.2821

Harmonies

Analogous

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



39.9641, 33.8815, 17.4893



34.2322, 33.8815, 13.5396



28.5816, 33.8815, 14.2515

Triad

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



34.2322, 33.8815, 13.5396



22.8037, 33.8815, 48.7643



41.4870, 33.8815, 61.6299

Complementary

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



34.2322, 33.8815, 13.5396



20.7022, 20.6608, 52.1869

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.



36.1188, 33.8815, 75.8704



34.2322, 33.8815, 13.5396



25.5185, 33.8815, 67.0317

Square

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



34.2322, 33.8815, 13.5396



22.4271, 33.8815, 31.4864



30.2563, 33.8815, 78.0996



44.4737, 33.8815, 42.8816

Rectangle

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



34.2322, 33.8815, 13.5396



25.5862, 33.8815, 17.3743



30.2563, 33.8815, 78.0996



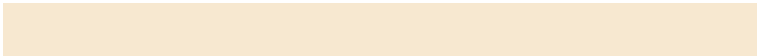
39.8731, 33.8815, 67.3144

Sweetspot

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



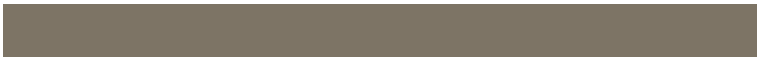
34.2330, 33.8831, 13.5403



78.7728, 82.2491, 71.2527



28.5958, 19.2450, 22.0311



17.0441, 17.7693, 14.8973



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.



34.2330, 33.8831, 13.5403



57.4693, 55.2471, 16.0427



38.8432, 47.4873, 15.9232



10.0087, 10.4933, 10.0745



18.4766, 15.9919, 2.1129



0.7850, 0.7490, 0.1032

Inverse Universe

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



20.7022, 20.6608, 52.1869



30.8301, 29.2714, 92.3042



17.7960, 13.0281, 50.8668



9.3064, 9.8051, 12.0743



7.8077, 5.7270, 33.0868



0.3694, 0.3515, 1.3172

Previews

White Background



This preview shows how the XYZ color 34.2322, 33.8815, 13.5396 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 34.2322, 33.8815, 13.5396 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 34.2322, 33.8815, 13.5396

Background



This preview shows how black text looks on a background with the XYZ color 34.2322, 33.8815, 13.5396.



This preview shows how white text looks on a background with the XYZ color 34.2322, 33.8815,

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

34.2322, 33.8815, 13.5396

Protanopia

31.2219, 34.0425, 14.1578

Deuteranopia

34.5784, 33.8220, 13.5099



Tritanopia

38.6812, 33.8483, 35.0665

Trichromacy



Original Color

34.2322, 33.8815, 13.5396

Protanomaly

32.2640, 33.8341, 13.8470

Deuteranomaly

34.3243, 33.6910, 13.4980

Tritanomaly

36.7470, 33.7448, 25.3455

Monochromacy



Original Color

34.2322, 33.8815, 13.5396

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.0145, 33.1849, 26.1907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2322, 33.8815, 13.5396 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, 151, 86)` looks like.

```
.text, #text, p{  
    color:rgb(191, 151, 86)  
}
```

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, 151, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 151, 86) }
```

Border

The CSS property to change the border of an element to XYZ 34.2322, 33.8815, 13.5396 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, 151, 86) }
```


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

```
.border{ border-color:rgb(191, 151, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 151, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 151, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 151, 86);  
box-shadow:4px 4px 4px 4px rgb(191, 151,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2322, 33.8815, 13.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 151, 86) }
```

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

```
.background{ background-color: rgb(191,  
151, 86) }
```

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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