

Converting Colors

XYZ(33.6152, 36.6320, 5.4679)

Have a look what the booklet for
XYZ(33.6152, 36.6320, 5.4679)
contains.

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Color

**XYZ(33.4467, 36.4186,
5.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	BBA206
RGB	187, 162, 6
RGB Percent	73%, 64%, 2%
CMY	0.2667, 0.3647, 0.9764
CMYK	0.00, 0.13, 0.97, 0.27
HSL	52°, 94%, 38%
HSV	52°, 97%, 73%
XYZ	33.4467, 36.4186, 5.4390
YIQ	151.6910, 64.9760, -43.2160

Conversions

Conversions Part 2

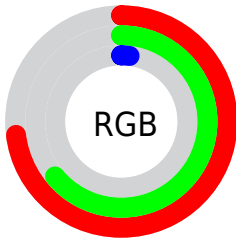
Format	Color
R _Y B	35, 187, 6
Decimal	12296710
CIE Lab	66.84, -4.06, 69.17
CIE LCh	67, 69.287, 93.361
Yxy	36.4186, 0.4442, 0.4836
Android (android.graphics.Color)	4290486790 (0xFFBBA206)
YUV	151.6910, -71.8257, 30.9660
Hunter-Lab	60.3478, -6.6783, 36.8998

Details

The XYZ color **33.4467, 36.4186, 5.4390** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **9.5351, 4.6072, 47.4000**, and the grayscale version is **29.9935, 31.5555, 34.3639**.

A 20% lighter version of the original color is **64.2888, 69.4359, 17.2218**, and **14.7377, 16.0360, 2.3185** is the 20% darker color. If you saturate the color by 10%, you get **33.2687, 36.1154, 5.2175**, and if you desaturate by 10%, it is **34.0466, 37.3954, 6.3273**.

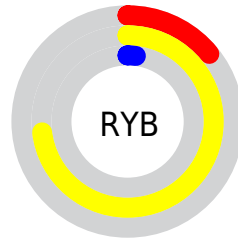
Distribution



Red (73%)

Green (64%)

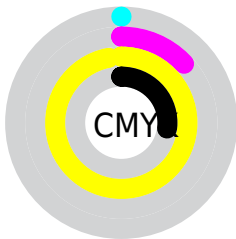
Blue (2%)



Red (14%)

Yellow (73%)

Blue (2%)

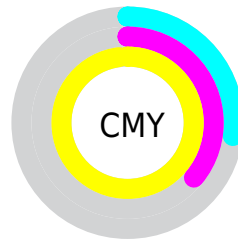


Cyan (0%)

Magenta (13%)

Yellow (97%)

Black (27%)



Cyan (27%)

Magenta (36%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4467, 36.4186, 5.4390 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 33.4467, 36.4186, 5.4390 by changing the saturation by 10% instead.

■ 33.4467, 36.4186,
5.4390

■ 33.4467, 36.4186,
5.4390

309.2873,
330.7865, 163.0827

■ 22.6297, 24.7577,
2.4439

■ 64.4223, 69.6777,
17.2120

■ 14.4395, 15.8966,
0.8102

■ 85.3117, 92.0446,
26.8269

■ 8.5107, 9.4510,
0.0000

■ 110.2893,
118.7490, 39.4855

■ 4.4780, 5.0365,
0.0000

■ 139.7204,
150.1752, 55.6064

■ 1.9759, 2.2687,
0.0000

■ 173.9704,
186.7077, 75.6079

■ 0.6204, 0.7571,
0.0000

■ 213.4046,

■ 0.0000, 0.0000,

228.7308, 99.9088

0.0000

258.3885,
276.6289, 128.9276

33.4467, 36.4186,
5.4390

33.4467, 36.4186,
5.4390

33.2687, 36.1154,
5.2175

34.0466, 37.3954,
6.3273

34.7869, 38.4420,
7.9123

35.6944, 39.5706,
10.3307

36.7880, 40.7888,
13.6825

38.0841, 42.1033,
18.0536

■ 39.5973, 43.5200,
23.5201

■ 41.3406, 45.0443,
30.1508

■ 43.3260, 46.6810,
38.0089

■ 45.5649, 48.4346,
47.1532

Harmonies

Analogous

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



44.4585, 36.4186, 7.2045



33.4467, 36.4186, 5.4390



24.6740, 36.4186, 8.3453

Triad

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



33.4467, 36.4186, 5.4390



20.3649, 36.4186, 80.6085



55.9312, 36.4186, 71.5648

Complementary

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



33.4467, 36.4186, 5.4390



9.5351, 4.6072, 47.4000

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.



46.9205, 36.4186, 110.0217



33.4467, 36.4186, 5.4390



26.3432, 36.4186, 116.8390

Square

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



33.4467, 36.4186, 5.4390



18.1439, 36.4186, 43.1345



35.8098, 36.4186, 129.6681



58.8791, 36.4186, 36.3653

Rectangle

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



33.4467, 36.4186, 5.4390



20.8326, 36.4186, 14.2224



35.8098, 36.4186, 129.6681



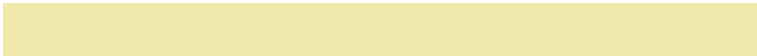
53.4323, 36.4186, 85.0255

Sweetspot

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



33.4475, 36.4204, 5.4397



73.1611, 79.9222, 50.5990



20.8354, 10.8060, 2.4385



15.8159, 17.3421, 10.0182



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.4475, 36.4204, 5.4397



59.4540, 64.4219, 9.3011



26.0655, 39.8129, 6.4836



10.2069, 10.8897, 10.1406



22.9619, 24.9626, 3.6080



0.9308, 1.0406, 0.1518

Inverse Universe

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



9.5351, 4.6072, 47.4000



16.6212, 7.5390, 84.7805



11.5147, 4.9968, 47.3708



9.1199, 9.4322, 12.0121



6.4639, 3.0396, 32.6389



0.2880, 0.1886, 1.2901

Previews

White Background



This preview shows how the XYZ color 33.4467, 36.4186, 5.4390 looks on a white background.

Color Contrast Check

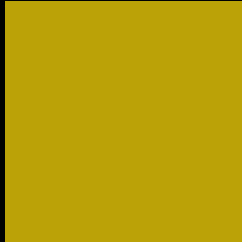
Large Text (above 18pt) WCAG AA × Fail

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 33.4467, 36.4186, 5.4390 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 33.4467, 36.4186, 5.4390

Background



This preview shows how black text looks on a background with the XYZ color 33.4467, 36.4186, 5.4390.

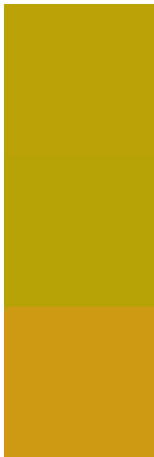


This preview shows how white text looks on a background with the XYZ color 33.4467, 36.4186,

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

33.4467, 36.4186, 5.4390

Protanopia

32.9027, 36.4001, 5.4928

Deuteranopia

37.1355, 36.2835, 5.7080



Tritanopia

40.3531, 36.4776, 39.0965

Trichromacy



Original Color

33.4467, 36.4186, 5.4390

Protanomaly

33.1431, 36.5240, 5.5040

Deuteranomaly

35.6964, 36.2905, 5.5753

Tritanomaly

36.2635, 35.8001, 18.3634

Monochromacy



Original Color

33.4467, 36.4186, 5.4390

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6576, 32.6771, 16.5486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4467, 36.4186, 5.4390 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(187, 162, 6)` looks like.

```
.text, #text, p{  
    color:rgb(187, 162, 6)  
}
```

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(187, 162, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 162, 6) }
```

Border

The CSS property to change the border of an element to XYZ 33.4467, 36.4186, 5.4390 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(187, 162, 6) }
```


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

```
.border{ border-color:rgb(187, 162, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 162, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 162, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 162, 6);  
box-shadow:4px 4px 4px 4px rgb(187, 162,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4467, 36.4186, 5.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 162, 6) }
```

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

```
.background{ background-color: rgb(187,  
162, 6) }
```

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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