

Converting Colors

XYZ(34.8639, 36.5966, 10.8182)

Have a look what the booklet for
XYZ(34.8639, 36.5966, 10.8182)
contains.

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Color

**XYZ(34.8802, 36.5184,
10.8406)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA045
RGB	190, 160, 69
RGB Percent	75%, 63%, 27%
CMY	0.2549, 0.3725, 0.7294
CMYK	0.00, 0.16, 0.64, 0.25
HSL	45°, 48%, 51%
HSV	45°, 64%, 75%
XYZ	34.8802, 36.5184, 10.8406
YIQ	158.5960, 47.0910, -21.9410

Conversions

Conversions Part 2

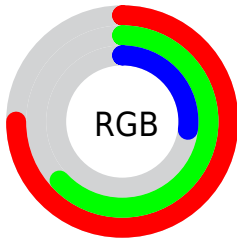
Format	Color
RYB	109, 190, 69
Decimal	12492869
CIELab	66.91, 0.58, 50.26
CIELCh	67, 50.263, 89.334
Yxy	36.5184, 0.4241, 0.4441
Android (android.graphics.Color)	4290682949 (0xFFBEA045)
YUV	158.5960, -44.1708, 27.5413
Hunter-Lab	60.4305, -2.7239, 31.6653

Details

The XYZ color **34.8802, 36.5184, 10.8406** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.2103, 13.9062, 50.5448**, and the grayscale version is **32.9511, 34.6671, 37.7525**.

A 20% lighter version of the original color is **66.5647, 69.6133, 28.0175**, and **15.2208, 15.9555, 2.6930** is the 20% darker color. If you saturate the color by 10%, you get **33.5814, 34.7184, 7.9493**, and if you desaturate by 10%, it is **36.4005, 38.4593, 14.7380**.

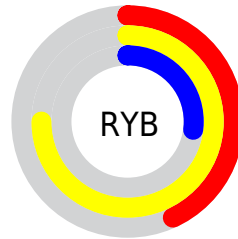
Distribution



Red (75%)

Green (63%)

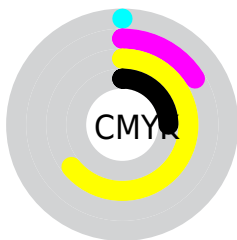
Blue (27%)



Red (43%)

Yellow (75%)

Blue (27%)

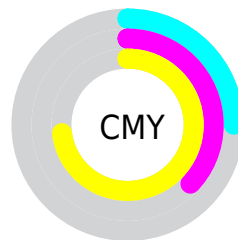


Cyan (0%)

Magenta (16%)

Yellow (64%)

Black (25%)



Cyan (25%)


Magenta (37%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8802, 36.5184, 10.8406 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 34.8802, 36.5184, 10.8406 by changing the saturation by 10% instead.


 34.8802, 36.5184,
10.8406


 34.8802, 36.5184,
10.8406


315.5565,
331.2207, 207.2687

 23.7367, 24.8348,
5.8469


 66.6354, 69.8315,
27.9972

 15.2621, 15.9540,
2.6849


 87.9778, 92.2297,
40.9971


 9.0910, 9.4916,
0.9358


 113.4505,
118.9684, 57.5030

 4.8582, 5.0632,
0.0000

 143.4189,
150.4318, 77.9332

 2.1982, 2.2844,
0.0000

 178.2483,
187.0043, 102.7063

 0.7418, 0.7654,
0.0000

218.3042,

 0.0000, 0.0000,

229.0704, 132.2409

0.0000

263.9518,
277.0144, 166.9555

■ 34.8802, 36.5184,
10.8406

■ 34.8802, 36.5184,
10.8406

■ 33.5814, 34.7184,
7.9493

■ 36.4005, 38.4593,
14.7380

■ 32.4824, 33.0459,
5.9630

■ 38.1563, 40.5430,
19.7252

■ 31.5611, 31.4929,
4.7632

■ 40.1633, 42.7778,
25.8797

■ 31.0425, 30.5619,
4.2629

■ 42.4352, 45.1696,
33.2711

■ 44.9844, 47.7240,
41.9639

■ 47.8225, 50.4459,
52.0176

■ 50.9605, 53.3404,
63.4885

■ 54.4088, 56.4121,
76.4293

■ 58.1770, 59.6653,
90.8902

Harmonies

Analogous

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



42.7275, 36.5184, 13.4971



34.8802, 36.5184, 10.8406



28.0183, 36.5184, 13.2611

Triad

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



34.8802, 36.5184, 10.8406



23.4441, 36.5184, 64.0514



48.8915, 36.5184, 65.2191

Complementary

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



34.8802, 36.5184, 10.8406



16.2103, 13.9062, 50.5448

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.



42.3896, 36.5184, 88.6780



34.8802, 36.5184, 10.8406



27.7633, 36.5184, 87.8482

Square

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



34.8802, 36.5184, 10.8406



22.0288, 36.5184, 39.2767



34.5396, 36.5184, 98.1728



51.5091, 36.5184, 40.2520

Rectangle

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



34.8802, 36.5184, 10.8406



24.7443, 36.5184, 18.2152



34.5396, 36.5184, 98.1728



47.0450, 36.5184, 73.8335

Sweetspot

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



34.8811, 36.5202, 10.8413



78.8571, 83.8427, 66.8875



25.6276, 16.1094, 13.6263



17.0292, 18.1205, 13.7175



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.



34.8811, 36.5202, 10.8413



60.1084, 61.8138, 12.9505



33.9350, 44.7044, 12.4709



10.1165, 10.7090, 10.1105



20.7061, 20.4509, 2.8561



0.8598, 0.8985, 0.1281

Inverse Universe

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



16.2103, 13.9062, 50.5448



23.8183, 17.9789, 90.4940



16.5957, 10.6411, 49.8943



9.2035, 9.5993, 12.0400



6.9120, 3.9358, 32.7883



0.3244, 0.2615, 1.3022

Previews

White Background



This preview shows how the XYZ color 34.8802, 36.5184, 10.8406 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 34.8802, 36.5184, 10.8406 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 34.8802, 36.5184, 10.8406

Background



This preview shows how black text looks on a background with the XYZ color 34.8802, 36.5184, 10.8406.



This preview shows how white text looks on a background with the XYZ color 34.8802, 36.5184,

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

34.8802, 36.5184, 10.8406

Protanopia

33.2587, 36.4603, 11.0790

Deuteranopia

37.1840, 36.4414, 10.8684



Tritanopia

40.7166, 36.4271, 39.0676

Trichromacy



Original Color

34.8802, 36.5184, 10.8406

Protanomaly

33.7930, 36.4732, 11.0533

Deuteranomaly

36.4512, 36.5619, 10.9303

Tritanomaly

37.9576, 36.2718, 25.4227

Monochromacy



Original Color

34.8802, 36.5184, 10.8406

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7416, 34.8487, 24.7395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8802, 36.5184, 10.8406 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(190, 160, 69)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 69)  
}
```

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(190, 160, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 69) }
```

Border

The CSS property to change the border of an element to XYZ 34.8802, 36.5184, 10.8406 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(190, 160, 69) }
```


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

```
.border{ border-color:rgb(190, 160, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 160, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 69);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8802, 36.5184, 10.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 69) }
```

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

```
.background{ background-color: rgb(190,  
160, 69) }
```

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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