

Converting Colors

XYZ(33.8916, 34.1795, 12.3299)

Have a look what the booklet for
XYZ(33.8916, 34.1795, 12.3299)
contains.

XYZ(33.8255, 34.1805, 12.4041)	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(33.8255, 34.1805,
12.4041)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9950
RGB	189, 153, 80
RGB Percent	74%, 60%, 31%
CMY	0.2588, 0.4000, 0.6863
CMYK	0.00, 0.19, 0.58, 0.26
HSL	40°, 45%, 53%
HSV	40°, 58%, 74%
XYZ	33.8255, 34.1805, 12.4041
YIQ	155.4420, 44.8890, -15.0710

Conversions

Conversions Part 2

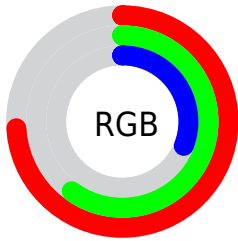
Format	Color
RYB	134, 189, 80
Decimal	12425552
CIELab	65.11, 4.73, 42.88
CIELCh	65, 43.144, 83.699
Yxy	34.1805, 0.4207, 0.4251
Android (android.graphics.Color)	4290615632 (0xFFBD9950)
YUV	155.4420, -37.1929, 29.4304
Hunter-Lab	58.4641, 0.9624, 28.3455

Details

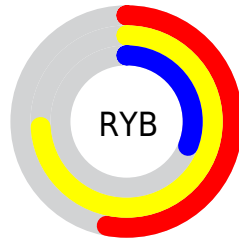
The XYZ color **33.8255, 34.1805, 12.4041** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.7387, 17.8697, 50.6055**, and the grayscale version is **31.4984, 33.1388, 36.0882**.

A 20% lighter version of the original color is **65.1210, 66.2208, 30.8224**, and **14.6716, 14.5882, 3.3389** is the 20% darker color. If you saturate the color by 10%, you get **32.2283, 31.9508, 8.8978**, and if you desaturate by 10%, it is **35.6742, 36.5989, 16.9639**.

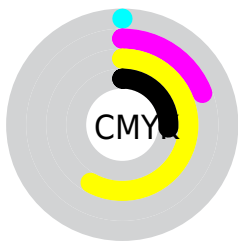
Distribution



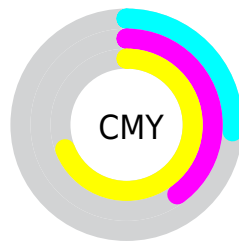
- Red (74%)
- Green (60%)
- Blue (31%)



- Red (53%)
- Yellow (74%)
- Blue (31%)



- Cyan (0%)
- Magenta (19%)
- Yellow (58%)
- Black (26%)



- Cyan (26%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8255, 34.1805, 12.4041 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 33.8255, 34.1805, 12.4041 by changing the saturation by 10% instead.

■ 33.8255, 34.1805,
12.4041

■ 33.8255, 34.1805,
12.4041

310.9529,
320.9361, 218.1345

■ 22.9218, 23.0323,
6.8936

■ 65.0083, 66.2143,
30.9043

■ 14.6562, 14.6174,
3.3182

■ 86.0182, 87.8686,
44.7312

■ 8.6632, 8.5513,
1.2593

■ 111.1274,
113.7938, 62.1672

■ 4.5775, 4.4497,
0.0281

■ 140.7015,
144.3742, 83.6310

■ 2.0337, 1.9282,
0.0000

■ 175.1058,
179.9943, 109.5411

■ 0.6528, 0.5652,
0.0000

214.7055,

■ 0.0000, 0.0000,

221.0384, 140.3160

0.0000

259.8661,
267.8908, 176.3743

■ 33.8255, 34.1805,
12.4041

■ 33.8255, 34.1805,
12.4041

■ 32.2283, 31.9508,
8.8978

■ 35.6742, 36.5989,
16.9639

■ 30.8623, 29.8966,
6.3535

■ 37.7878, 39.2087,
22.6543

■ 29.7079, 28.0098,
4.6672

■ 40.1812, 42.0185,
29.5476

■ 28.7347, 26.2771,
3.6839

■ 42.8678, 45.0347,
37.7092

■ 28.5222, 25.8908,
3.4941

■ 45.8598, 48.2635,
47.2001

■ 49.1686, 51.7106,
58.0771

■ 52.8050, 55.3815,
70.3937

■ 56.7794, 59.2815,
84.2007

■ 61.1015, 63.4154,
99.5462

Harmonies

Analogous

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



40.1413, 34.1805, 15.7857



33.8255, 34.1805, 12.4041



27.8888, 34.1805, 13.7463

Triad

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



33.8255, 34.1805, 12.4041



22.6716, 34.1805, 52.8505



43.1773, 34.1805, 61.5622

Complementary

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



33.8255, 34.1805, 12.4041



18.7387, 17.8697, 50.6055

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.



37.5659, 34.1805, 78.5093



33.8255, 34.1805, 12.4041



25.8743, 34.1805, 72.4539

Square

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



33.8255, 34.1805, 12.4041



21.9387, 34.1805, 33.5629



31.1853, 34.1805, 83.0295



45.9694, 34.1805, 41.1266

Rectangle

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



33.8255, 34.1805, 12.4041



24.8660, 34.1805, 17.4543



31.1853, 34.1805, 83.0295



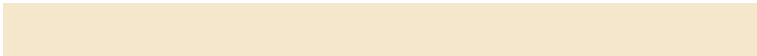
41.5261, 34.1805, 68.0896

Sweetspot

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



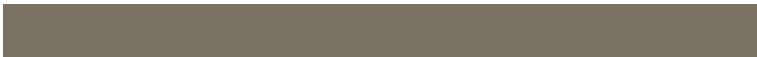
33.8263, 34.1821, 12.4048



76.9798, 80.8809, 68.1692



27.0269, 17.8252, 18.6413



16.3366, 17.1532, 13.9853



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.



33.8263, 34.1821, 12.4048



57.0889, 56.3005, 14.6752



36.4039, 45.6135, 14.4754



10.0495, 10.5750, 10.0882



19.2630, 17.5647, 2.3751



0.8121, 0.8031, 0.1122

Inverse Universe

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



18.7387, 17.8697, 50.6055



27.6288, 24.5250, 89.5038



17.1093, 12.0178, 49.5619



9.2670, 9.7263, 12.0611



7.4175, 4.9468, 32.9568



0.3518, 0.3162, 1.3113

Previews

White Background



This preview shows how the XYZ color 33.8255, 34.1805, 12.4041 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 33.8255, 34.1805, 12.4041 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 33.8255, 34.1805, 12.4041

Background



This preview shows how black text looks on a background with the XYZ color 33.8255, 34.1805, 12.4041.



This preview shows how white text looks on a background with the XYZ color 33.8255, 34.1805,

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

33.8255, 34.1805, 12.4041

Protanopia

31.4290, 34.1769, 12.9230

Deuteranopia

34.7999, 34.1966, 12.5510



Tritanopia

38.4797, 33.9489, 35.9772

Trichromacy



Original Color

33.8255, 34.1805, 12.4041

Protanomaly

32.1961, 34.0743, 12.6647

Deuteranomaly

34.4517, 34.2570, 12.5810

Tritanomaly

36.3223, 33.7634, 25.0247

Monochromacy



Original Color

33.8255, 34.1805, 12.4041

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.3882, 32.8852, 25.1152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8255, 34.1805, 12.4041 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(189, 153, 80)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 80)  
}
```

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(189, 153, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 80) }
```

Border

The CSS property to change the border of an element to XYZ 33.8255, 34.1805, 12.4041 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(189, 153, 80) }
```


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

```
.border{ border-color:rgb(189, 153, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 80);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8255, 34.1805, 12.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 80) }
```

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

```
.background{ background-color: rgb(189,  
153, 80) }
```

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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