

Converting Colors

XYZ(32.9976, 34.7996, 5.5930)

Have a look what the booklet for
XYZ(32.9976, 34.7996, 5.5930)
contains.

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Color

**XYZ(33.1608, 34.9798,
5.6201)**

Conversions

Conversions Part 1

Format	Color
Hex	BD9D13
RGB	189, 157, 19
RGB Percent	74%, 62%, 7%
CMY	0.2588, 0.3843, 0.9255
CMYK	0.00, 0.17, 0.90, 0.26
HSL	49°, 82%, 41%
HSV	49°, 90%, 74%
XYZ	33.1608, 34.9798, 5.6201
YIQ	150.8360, 63.3700, -36.1340

Conversions

Conversions Part 2

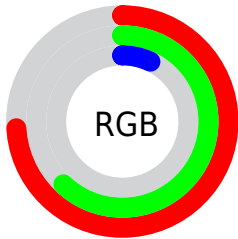
Format	Color
RYB	58, 189, 19
Decimal	12426515
CIELab	65.73, -0.31, 66.45
CIElCh	66, 66.454, 90.264
Yxy	34.9798, 0.4496, 0.4742
Android (android.graphics.Color)	4290616595 (0xFFBD9D13)
YUV	150.8360, -64.9951, 33.4698
Hunter-Lab	59.1437, -3.4198, 35.7666

Details

The XYZ color **33.1608, 34.9798, 5.6201** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.6379, 6.1805, 48.7760**, and the grayscale version is **29.5967, 31.1380, 33.9093**.

A 20% lighter version of the original color is **63.8842, 67.3375, 17.6130**, and **14.5141, 15.1334, 2.1561** is the 20% darker color. If you saturate the color by 10%, you get **32.4514, 33.7484, 4.8068**, and if you desaturate by 10%, it is **34.0030, 36.2952, 7.0395**.

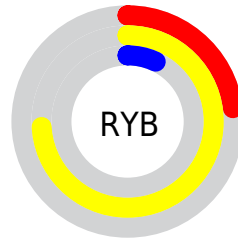
Distribution



Red (74%)

Green (62%)

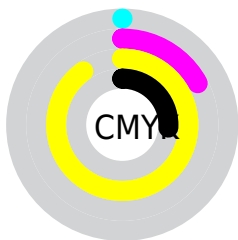
Blue (7%)



Red (23%)

Yellow (74%)

Blue (7%)

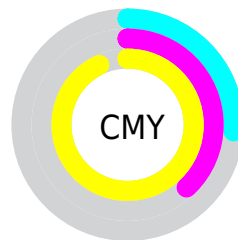


Cyan (0%)

Magenta (17%)

Yellow (90%)

Black (26%)



Cyan (26%)

Magenta (38%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1608, 34.9798, 5.6201 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 33.1608, 34.9798, 5.6201 by changing the saturation by 10% instead.

■ 33.1608, 34.9798,
5.6201

■ 33.1608, 34.9798,
5.6201

308.0259,
324.4792, 164.8176

■ 22.4095, 23.6473,
2.5505

■ 63.9795, 67.4545,
17.6010

■ 14.2764, 15.0722,
0.8667

■ 84.7776, 89.3655,
27.3493

■ 8.3961, 8.8701,
0.0000

■ 109.6553,
115.5714, 40.1609

■ 4.4034, 4.6565,
0.0000

■ 138.9780,
146.4567, 56.4544

■ 1.9328, 2.0472,
0.0000

■ 173.1111,
182.4057, 76.6483

■ 0.5958, 0.6347,
0.0000

■ 212.4198,

■ 0.0000, 0.0000,

223.8028, 101.1611

0.0000

257.2696,
271.0325, 130.4114

■ 33.1608, 34.9798,
5.6201

■ 33.1608, 34.9798,
5.6201

■ 32.4514, 33.7484,
4.8068

■ 34.0030, 36.2952,
7.0395

■ 32.4475, 33.7414,
4.8026

■ 35.0167, 37.7060,
9.2783

■ 36.2235, 39.2226,
12.4460

■ 37.6411, 40.8521,
16.6348

■ 39.2848, 42.6012,
21.9256

■ 41.1688, 44.4755,
28.3914

■ 43.3057, 46.4803,
36.0988

■ 45.7074, 48.6207,
45.1093

■ 48.3850, 50.9013,
55.4805

Harmonies

Analogous

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



43.4797, 34.9798, 7.8432



33.1608, 34.9798, 5.6201



24.6381, 34.9798, 7.9299

Triad

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



33.1608, 34.9798, 5.6201



19.5008, 34.9798, 72.2078



52.4058, 34.9798, 71.5523

Complementary

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



33.1608, 34.9798, 5.6201



10.6379, 6.1805, 48.7760

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.



43.6592, 34.9798, 106.1556



33.1608, 34.9798, 5.6201



24.7611, 34.9798, 106.6471

Square

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



33.1608, 34.9798, 5.6201



17.7589, 34.9798, 38.3354



33.3339, 34.9798, 121.3720



55.8332, 34.9798, 37.8398

Rectangle

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



33.1608, 34.9798, 5.6201



20.7764, 34.9798, 12.9825



33.3339, 34.9798, 121.3720



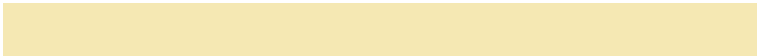
49.9154, 34.9798, 83.9589

Sweetspot

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



33.1616, 34.9815, 5.6208



74.6513, 80.5353, 54.1014



21.8619, 11.5419, 4.4445



15.7871, 17.0628, 10.6920



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.



33.1616, 34.9815, 5.6208



57.9469, 60.0974, 8.5458



28.7967, 41.8454, 7.1757



10.1655, 10.8069, 10.1268



21.8843, 22.8074, 3.2488



0.8973, 0.9736, 0.1406

Inverse Universe

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



10.6379, 6.1805, 48.7760



17.4308, 8.5401, 86.9559



11.9445, 5.4424, 48.5647



9.1579, 9.5082, 12.0248



6.6383, 3.3883, 32.6970



0.3046, 0.2219, 1.2956

Previews

White Background



This preview shows how the XYZ color 33.1608, 34.9798, 5.6201 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 33.1608, 34.9798, 5.6201 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 33.1608, 34.9798, 5.6201

Background



This preview shows how black text looks on a background with the XYZ color 33.1608, 34.9798, 5.6201.



This preview shows how white text looks on a background with the XYZ color 33.1608, 34.9798,

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

33.1608, 34.9798, 5.6201

Protanopia

31.5195, 34.8954, 5.7361

Deuteranopia

35.7502, 35.0790, 5.7508



Tritanopia

39.3906, 34.8624, 36.5513

Trichromacy



Original Color

33.1608, 34.9798, 5.6201

Protanomaly

32.0528, 34.9141, 5.7115

Deuteranomaly

34.7264, 35.0394, 5.6921

Tritanomaly

35.8083, 34.3436, 18.6516

Monochromacy



Original Color

33.1608, 34.9798, 5.6201

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.3565, 31.7611, 17.4152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1608, 34.9798, 5.6201 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, 157, 19)` looks like.

```
.text, #text, p{  
    color:rgb(189, 157, 19)  
}
```

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, 157, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 157, 19) }
```

Border

The CSS property to change the border of an element to XYZ 33.1608, 34.9798, 5.6201 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, 157, 19) }
```


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

```
.border{ border-color:rgb(189, 157, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 157, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 157, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 157, 19);  
box-shadow:4px 4px 4px 4px rgb(189, 157,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1608, 34.9798, 5.6201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 157, 19) }
```

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

```
.background{ background-color: rgb(189,  
157, 19) }
```

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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