

Converting Colors

XYZ(31.1668, 34.2040, 5.5755)

Have a look what the booklet for
XYZ(31.1668, 34.2040, 5.5755)
contains.

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Color

**XYZ(31.1668, 34.2040,
5.5755)**

Conversions

Conversions Part 1

Format	Color
Hex	B49E13
RGB	180, 158, 19
RGB Percent	71%, 62%, 7%
CMY	0.2941, 0.3804, 0.9255
CMYK	0.00, 0.12, 0.89, 0.29
HSL	52°, 81%, 39%
HSV	52°, 89%, 71%
XYZ	31.1668, 34.2040, 5.5755
YIQ	148.7320, 57.7310, -38.5650

Conversions

Conversions Part 2

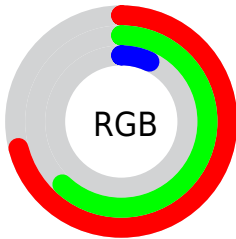
Format	Color
RYB	44, 180, 19
Decimal	11836947
CIELab	65.12, -4.88, 65.60
CIELCh	65, 65.782, 94.257
Yxy	34.2040, 0.4393, 0.4821
Android (android.graphics.Color)	4290027027 (0xFFB49E13)
YUV	148.7320, -63.9579, 27.4220
Hunter-Lab	58.4842, -7.2229, 35.2866

Details

The XYZ color **31.1668, 34.2040, 5.5755** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.3000, 5.0200, 43.6585**, and the grayscale version is **28.6988, 30.1934, 32.8806**.

A 20% lighter version of the original color is **60.6631, 66.0469, 17.5337**, and **13.4261, 14.7263, 2.1348** is the 20% darker color. If you saturate the color by 10%, you get **30.6402, 33.3302, 4.8475**, and if you desaturate by 10%, it is **31.8077, 35.1397, 6.8573**.

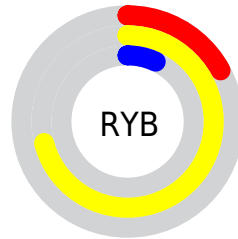
Distribution



Red (71%)

Green (62%)

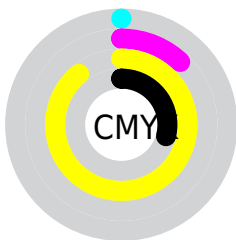
Blue (7%)



Red (17%)

Yellow (71%)

Blue (7%)

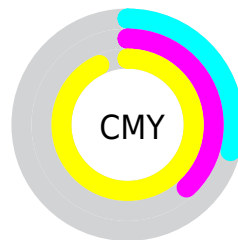


Cyan (0%)

Magenta (12%)

Yellow (89%)

Black (29%)



Cyan (29%)


Magenta (38%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1668, 34.2040, 5.5755 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 31.1668, 34.2040, 5.5755 by changing the saturation by 10% instead.


 31.1668, 34.2040,
5.5755


 31.1668, 34.2040,
5.5755


299.1192,
321.0407, 164.3927


 20.8783, 23.0504,
2.5241


 60.8766, 66.2508,
17.5054

 13.1471, 14.6307,
0.8529


 81.0287, 87.9127,
27.2211

 7.6076, 8.5606,
0.0000


 105.1994,
113.8462, 39.9953

 3.8946, 4.4557,
0.0000

 133.7541,
144.4356, 56.2465

 1.6427, 1.9316,
0.0000

 167.0580,
180.0654, 76.3933

 0.4200, 0.5673,
0.0000

 205.4766,

 0.0000, 0.0000,

221.1199, 100.8543

0.0000

249.3752,
267.9836, 130.0479

■ 31.1668, 34.2040,
5.5755

■ 31.1668, 34.2040,
5.5755

■ 30.6402, 33.3302,
4.8475

■ 31.8077, 35.1397,
6.8573

■ 30.6116, 33.2818,
4.8106

■ 32.5956, 36.1463,
8.8746

■ 33.5494, 37.2328,
11.7234

■ 34.6844, 38.4055,
15.4847

■ 36.0143, 39.6699,
20.2296

■ 37.5512, 41.0309,
26.0225

■ 39.3065, 42.4932,
32.9222

■ 41.2904, 44.0608,
40.9831

■ 43.5127, 45.7379,
50.2561

Harmonies

Analogous

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



41.1478, 34.2040, 7.1307



31.1668, 34.2040, 5.5755



23.2369, 34.2040, 8.5065

Triad

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



31.1668, 34.2040, 5.5755



19.5808, 34.2040, 75.3431



51.9954, 34.2040, 65.0446

Complementary

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



31.1668, 34.2040, 5.5755



9.3000, 5.0200, 43.6585

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.



43.9703, 34.2040, 99.7432



31.1668, 34.2040, 5.5755



25.1742, 34.2040, 107.4566

Square

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



31.1668, 34.2040, 5.5755



17.4307, 34.2040, 41.2808



33.8910, 34.2040, 118.0635



54.4543, 34.2040, 33.4763

Rectangle

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



31.1668, 34.2040, 5.5755



19.7761, 34.2040, 14.2080



33.8910, 34.2040, 118.0635



49.7914, 34.2040, 77.1426

Sweetspot

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



31.1676, 34.2056, 5.5762



68.6860, 74.9077, 49.4956



19.4943, 10.3449, 3.2701



14.6289, 16.0047, 9.8620



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.1676, 34.2056, 5.5762



55.3785, 60.0931, 8.6804



24.7009, 36.9486, 6.4465



9.0961, 9.7047, 9.0463



21.4013, 23.3011, 3.3696



0.7006, 0.7875, 0.1151

Inverse Universe

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



9.3000, 5.0200, 43.6585



15.4556, 7.0109, 78.8332



11.4008, 5.2716, 43.5964



8.1325, 8.4112, 10.7012



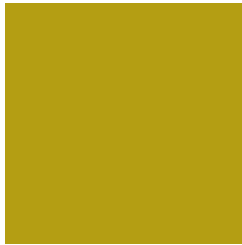
6.0162, 2.8327, 30.3667



0.2187, 0.1480, 0.9653

Previews

White Background



This preview shows how the XYZ color 31.1668, 34.2040, 5.5755 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 31.1668, 34.2040, 5.5755 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 31.1668, 34.2040, 5.5755

Background



This preview shows how black text looks on a background with the XYZ color 31.1668, 34.2040, 5.5755.



This preview shows how white text looks on a background with the XYZ color 31.1668, 34.2040,

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

31.1668, 34.2040, 5.5755

Protanopia

30.8758, 34.3083, 5.6109

Deuteranopia

34.9122, 34.1666, 5.7320



Tritanopia

37.5915, 34.1549, 36.9590

Trichromacy



Original Color

31.1668, 34.2040, 5.5755

Protanomaly

31.1061, 34.4270, 5.6217

Deuteranomaly

33.5382, 34.1818, 5.6407

Tritanomaly

33.9702, 33.6339, 18.6115

Monochromacy



Original Color

31.1668, 34.2040, 5.5755

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1237, 30.8894, 17.0503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1668, 34.2040, 5.5755 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(180, 158, 19)` looks like.

```
.text, #text, p{  
    color:rgb(180, 158, 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(180, 158, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 158, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.1668, 34.2040, 5.5755 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(180, 158, 19) }
```


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

```
.border{ border-color:rgb(180, 158, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 158, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 158, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 158, 19);  
box-shadow:4px 4px 4px 4px rgb(180, 158,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1668, 34.2040, 5.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 158, 19) }
```

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

```
.background{ background-color: rgb(180,  
158, 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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