

Converting Colors

XYZ(31.4365, 32.2495, 5.3437)

Have a look what the booklet for
XYZ(31.4365, 32.2495, 5.3437)
contains.

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Color

**XYZ(31.3858, 32.1176,
5.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9516
RGB	187, 149, 22
RGB Percent	73%, 58%, 9%
CMY	0.2667, 0.4157, 0.9137
CMYK	0.00, 0.20, 0.88, 0.27
HSL	46°, 79%, 41%
HSV	46°, 88%, 73%
XYZ	31.3858, 32.1176, 5.3042
YIQ	145.8840, 63.4150, -31.4410

Conversions

Conversions Part 2

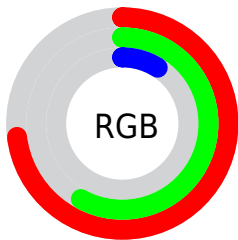
Format	Color
RYB	71, 187, 22
Decimal	12293398
CIELab	63.44, 3.18, 63.92
CIElCh	63, 64.001, 87.150
Yxy	32.1176, 0.4561, 0.4668
Android (android.graphics.Color)	4290483478 (0xFFBB9516)
YUV	145.8840, -61.0748, 36.0587
Hunter-Lab	56.6724, -0.3214, 34.1215

Details

The XYZ color **31.3858, 32.1176, 5.3042** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.9166, 6.9904, 47.7873**, and the grayscale version is **27.4993, 28.9314, 31.5063**.

A 20% lighter version of the original color is **61.2367, 63.0952, 16.9337**, and **13.5151, 13.5908, 1.9110** is the 20% darker color. If you saturate the color by 10%, you get **30.5909, 30.7308, 4.4143**, and if you desaturate by 10%, it is **32.3308, 33.6073, 6.8540**.

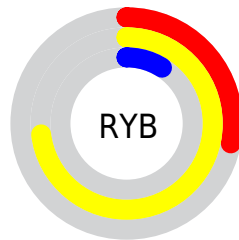
Distribution



Red (73%)

Green (58%)

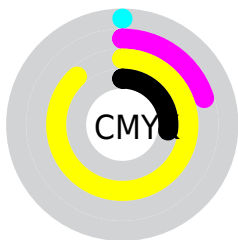
Blue (9%)



Red (28%)

Yellow (73%)

Blue (9%)

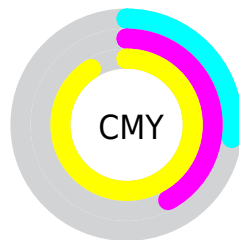


Cyan (0%)

Magenta (20%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (42%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3858, 32.1176, 5.3042 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 31.3858, 32.1176, 5.3042 by changing the saturation by 10% instead.

■ 31.3858, 32.1176,
5.3042

■ 31.3858, 32.1176,
5.3042

300.1070,
311.6546, 161.7743

■ 21.0461, 21.4513,
2.3650

■ 61.2187, 62.9954,
16.9207

■ 13.2703, 13.4543,
0.7673

■ 81.4425, 83.9757,
26.4350

■ 7.6932, 7.7421,
0.0000

■ 105.6918,
109.1629, 38.9781

■ 3.9494, 3.9304,
0.0000

■ 134.3319,
138.9412, 54.9685

■ 1.6736, 1.6347,
0.0000

■ 167.7281,
173.6952, 74.8248

■ 0.4396, 0.3808,
0.0000

■ 206.2458,

■ 0.0000, 0.0000,

213.8091, 98.9655

0.0000

250.2503,
259.6675, 127.8092

■ 31.3858, 32.1176,
5.3042

■ 31.3858, 32.1176,
5.3042

■ 30.5909, 30.7308,
4.4143

■ 32.3308, 33.6073,
6.8540

■ 30.4571, 30.4922,
4.2803

■ 33.4551, 35.2082,
9.2259

■ 34.7793, 36.9301,
12.5231

■ 36.3202, 38.7803,
16.8334

■ 38.0927, 40.7652,
22.2340

■ 40.1103, 42.8904,
28.7949

■ 42.3854, 45.1614,
36.5800

■ 44.9296, 47.5832,
45.6488

■ 47.7535, 50.1604,
56.0565

Harmonies

Analogous

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



40.7852, 32.1176, 7.8383



31.3858, 32.1176, 5.3042



23.3630, 32.1176, 6.9729

Triad

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



31.3858, 32.1176, 5.3042



17.6883, 32.1176, 62.4500



47.2833, 32.1176, 68.8723

Complementary

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



31.3858, 32.1176, 5.3042



10.9166, 6.9904, 47.7873

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.



39.0230, 32.1176, 99.2429



31.3858, 32.1176, 5.3042



22.1513, 32.1176, 94.4370

Square

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



31.3858, 32.1176, 5.3042



16.4235, 32.1176, 32.5894



29.6836, 32.1176, 110.3383



51.0131, 32.1176, 37.4650

Rectangle

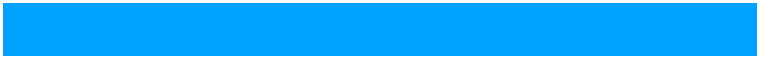
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3858, 32.1176, 5.3042



19.6185, 32.1176, 11.1037



29.6836, 32.1176, 110.3383



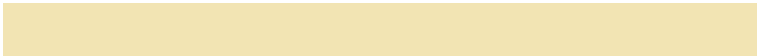
44.8744, 32.1176, 80.0271

Sweetspot

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



31.3865, 32.1192, 5.3048



72.5409, 77.5339, 53.9307



21.6095, 11.4705, 5.4205



15.6802, 16.7727, 10.8925



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.



31.3865, 32.1192, 5.3048



54.3607, 54.2354, 7.6034



29.2431, 41.4382, 7.2165



10.1309, 10.7378, 10.1153



21.0421, 21.1229, 2.9681



0.8706, 0.9201, 0.1317

Inverse Universe

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



10.9166, 6.9904, 47.7873



17.4684, 9.2334, 85.0629



11.5038, 5.3204, 47.4340



9.1900, 9.5724, 12.0355



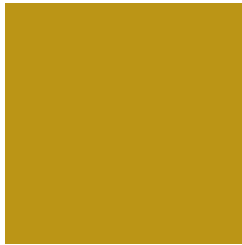
6.8234, 3.7586, 32.7588



0.3186, 0.2498, 1.3003

Previews

White Background



This preview shows how the XYZ color 31.3858, 32.1176, 5.3042 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 31.3858, 32.1176, 5.3042 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 31.3858, 32.1176, 5.3042

Background



This preview shows how black text looks on a background with the XYZ color 31.3858, 32.1176, 5.3042.



This preview shows how white text looks on a background with the XYZ color 31.3858, 32.1176,

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

31.3858, 32.1176, 5.3042

Protanopia

28.9541, 32.0614, 5.5266

Deuteranopia

32.7025, 32.0973, 5.3915



Tritanopia

37.1631, 32.2373, 32.6975

Trichromacy



Original Color

31.3858, 32.1176, 5.3042

Protanomaly

29.7430, 31.9833, 5.4164

Deuteranomaly

32.0844, 32.0098, 5.3516

Tritanomaly

34.0089, 31.8307, 17.1834

Monochromacy



Original Color

31.3858, 32.1176, 5.3042

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.4806, 29.3841, 16.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3858, 32.1176, 5.3042 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, 149, 22)` looks like.

```
.text, #text, p{  
    color:rgb(187, 149, 22)  
}
```

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, 149, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 149, 22) }
```

Border

The CSS property to change the border of an element to XYZ 31.3858, 32.1176, 5.3042 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, 149, 22) }
```


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

```
.border{ border-color:rgb(187, 149, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 149, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 149, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 149, 22);  
box-shadow:4px 4px 4px 4px rgb(187, 149,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3858, 32.1176, 5.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 149, 22) }
```

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

```
.background{ background-color: rgb(187,  
149, 22) }
```

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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