

Converting Colors

XYZ(31.6466, 30.7235, 11.8434)

Have a look what the booklet for
XYZ(31.6466, 30.7235, 11.8434)
contains.

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Color

**XYZ(31.7639, 30.7889,
11.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8F50
RGB	187, 143, 80
RGB Percent	73%, 56%, 31%
CMY	0.2667, 0.4392, 0.6863
CMYK	0.00, 0.24, 0.57, 0.27
HSL	35°, 44%, 52%
HSV	35°, 57%, 73%
XYZ	31.7639, 30.7889, 11.8581
YIQ	148.9740, 46.4470, -10.2650

Conversions

Conversions Part 2

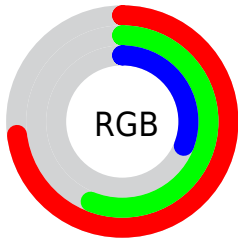
Format	Color
RYB	155, 187, 80
Decimal	12291920
CIELab	62.33, 9.35, 39.54
CIELCh	62, 40.631, 76.692
Yxy	30.7889, 0.4269, 0.4138
Android (android.graphics.Color)	4290482000 (0xFFBB8F50)
YUV	148.9740, -34.0042, 33.3488
Hunter-Lab	55.4877, 5.0786, 26.1708

Details

The XYZ color **31.7639, 30.7889, 11.8581** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.4851, 19.7077, 49.7904**, and the grayscale version is **28.6816, 30.1753, 32.8609**.

A 20% lighter version of the original color is **62.0690, 61.1640, 30.0072**, and **13.5351, 12.7583, 3.1157** is the 20% darker color. If you saturate the color by 10%, you get **30.0520, 28.3212, 8.3402**, and if you desaturate by 10%, it is **33.7487, 33.4947, 16.4161**.

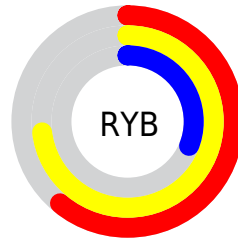
Distribution



Red (73%)

Green (56%)

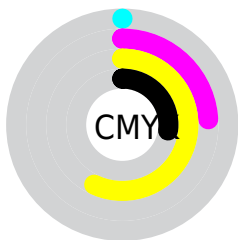
Blue (31%)



Red (61%)

Yellow (73%)

Blue (31%)

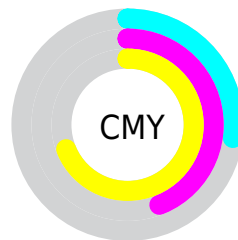


Cyan (0%)

Magenta (24%)

Yellow (57%)

Black (27%)



Cyan (27%)

Magenta (44%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7639, 30.7889, 11.8581 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 31.7639, 30.7889, 11.8581 by changing the saturation by 10% instead.

■ 31.7639, 30.7889,
11.8581

■ 31.7639, 30.7889,
11.8581

301.8068,
305.5646, 214.4081

■ 21.3359, 20.4382,
6.5258

■ 61.8085, 60.9076,
29.8969

■ 13.4836, 12.7139,
3.0934

■ 82.1558, 81.4443,
43.4405

■ 7.8417, 7.2319,
1.1425

■ 106.5402,
106.1451, 60.5582

■ 4.0448, 3.6075,
0.0000

■ 135.3271,
135.3944, 81.6686

■ 1.7275, 1.4565,
0.0000

■ 168.8818,
169.5766, 107.1903

■ 0.4734, 0.2578,
0.0000

207.5698,

■ 0.0000, 0.0000,

209.0761, 137.5417

0.0000

251.7563,
254.2773, 173.1415

■ 31.7639, 30.7889,
11.8581

■ 31.7639, 30.7889,
11.8581

■ 30.0520, 28.3212,
8.3402

■ 33.7487, 33.4947,
16.4161

■ 28.5928, 26.0776,
5.7738

■ 36.0202, 36.4431,
22.0894

■ 27.3663, 24.0484,
4.0583

■ 38.5938, 39.6437,
28.9483

■ 26.3436, 22.2196,
3.0497

■ 41.4829, 43.1043,
37.0566

■ 26.0813, 21.7405,
2.8217

■ 44.7002, 46.8321,
46.4736

■ 48.2575, 50.8341,
57.2547

■ 52.1659, 55.1170,
69.4523

■ 56.4361, 59.6869,
83.1159

■ 61.0781, 64.5502,
98.2924

Harmonies

Analogous

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



37.1255, 30.7889, 15.9744



31.7639, 30.7889, 11.8581



26.3330, 30.7889, 12.0909

Triad

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



31.7639, 30.7889, 11.8581



20.2656, 30.7889, 42.9874



37.6449, 30.7889, 58.8562

Complementary

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



31.7639, 30.7889, 11.8581



19.4851, 19.7077, 49.7904

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.



32.4046, 30.7889, 71.6617



31.7639, 30.7889, 11.8581



22.5988, 30.7889, 60.7141

Square

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



31.7639, 30.7889, 11.8581



20.1395, 30.7889, 27.0301



26.8987, 30.7889, 72.4319



40.7965, 30.7889, 40.9824

Rectangle

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



31.7639, 30.7889, 11.8581



23.3941, 30.7889, 14.6438



26.8987, 30.7889, 72.4319



36.0416, 30.7889, 64.1106

Sweetspot

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



31.7646, 30.7904, 11.8587



74.2654, 77.1637, 66.2799



27.0373, 17.7723, 21.2684



16.1148, 16.7095, 13.9114



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.



31.7646, 30.7904, 11.8587



53.0210, 49.5185, 13.4376



37.5974, 45.5944, 14.4087



9.9844, 10.4447, 10.0664



18.0428, 15.1245, 1.9684



0.7697, 0.7183, 0.0981

Inverse Universe

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



19.4851, 19.7077, 49.7904



28.9207, 27.8194, 88.0468



15.9503, 11.4452, 48.3818



9.3300, 9.8524, 12.0822



8.0708, 6.2534, 33.1745



0.3807, 0.3741, 1.3210

Previews

White Background



This preview shows how the XYZ color 31.7639, 30.7889, 11.8581 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 31.7639, 30.7889, 11.8581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

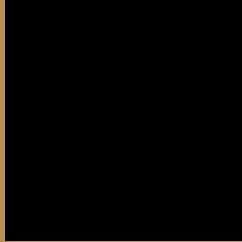
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7639, 30.7889, 11.8581

Background



This preview shows how black text looks on a background with the XYZ color 31.7639, 30.7889, 11.8581.



This preview shows how white text looks on a background with the XYZ color 31.7639, 30.7889,

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

31.7639, 30.7889, 11.8581

Protanopia

28.3538, 30.8647, 12.6467

Deuteranopia

31.4288, 30.8400, 11.8857



Tritanopia

35.5905, 30.6097, 31.2266

Trichromacy



Original Color

31.7639, 30.7889, 11.8581

Protanomaly

29.5685, 30.7877, 12.3668

Deuteranomaly

31.6709, 30.9648, 11.8970

Tritanomaly

33.8365, 30.5292, 22.5217

Monochromacy



Original Color

31.7639, 30.7889, 11.8581

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.1761, 30.1092, 23.3427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7639, 30.7889, 11.8581 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, 143, 80)` looks like.

```
.text, #text, p{  
    color:rgb(187, 143, 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(187, 143, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 143, 80) }
```

Border

The CSS property to change the border of an element to XYZ 31.7639, 30.7889, 11.8581 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, 143, 80) }
```


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

```
.border{ border-color:rgb(187, 143, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 143, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 143, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 143, 80);  
box-shadow:4px 4px 4px 4px rgb(187, 143,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7639, 30.7889, 11.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 143, 80) }
```

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

```
.background{ background-color: rgb(187,  
143, 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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