

Converting Colors

XYZ(31.1505, 28.6937, 20.1770)

Have a look what the booklet for
XYZ(31.1505, 28.6937, 20.1770)
contains.

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Color

**XYZ(31.1901, 28.7912,
20.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	B68873
RGB	182, 136, 115
RGB Percent	71%, 53%, 45%
CMY	0.2863, 0.4666, 0.5490
CMYK	0.00, 0.25, 0.37, 0.29
HSL	19°, 31%, 58%
HSV	19°, 37%, 71%
XYZ	31.1901, 28.7912, 20.1330
YIQ	147.3600, 34.1570, 3.2210

Conversions

Conversions Part 2

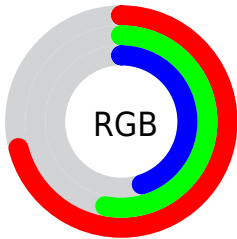
Format	Color
R_{YB}	182, 146, 115
Decimal	11962483
CIE _{Lab}	60.60, 14.72, 18.12
CIE _{LCh}	61, 23.346, 50.921
Yxy	28.7912, 0.3893, 0.3594
Android (android.graphics.Color)	4290152563 (0xFFB68873)
YUV	147.3600, -15.9535, 30.3793
Hunter-Lab	53.6574, 9.8583, 15.3138

Details

The XYZ color **31.1901, 28.7912, 20.1330** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **28.2582, 32.5109, 49.0419**, and the grayscale version is **27.9370, 29.3919, 32.0078**.

A 20% lighter version of the original color is **60.7693, 57.5359, 44.4619**, and **13.0933, 11.5729, 6.8539** is the 20% darker color. If you saturate the color by 10%, you get **28.5863, 25.0973, 14.5983**, and if you desaturate by 10%, it is **34.2074, 32.9809, 26.8262**.

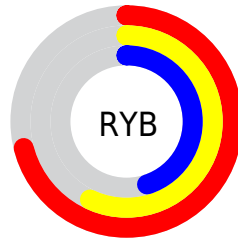
Distribution



Red (71%)

Green (53%)

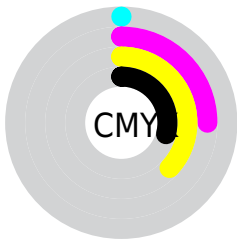
Blue (45%)



Red (71%)

Yellow (57%)

Blue (45%)

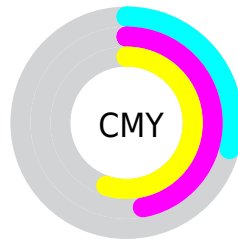


Cyan (0%)

Magenta (25%)

Yellow (37%)

Black (29%)



Cyan (29%)

Magenta (47%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1901, 28.7912, 20.1330 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 31.1901, 28.7912, 20.1330 by changing the saturation by 10% instead.

■ 31.1901, 28.7912,
20.1330

■ 31.1901, 28.7912,
20.1330

299.2244,
296.2285, 265.2622

■ 20.8962, 18.9229,
12.3067

■ 60.9130, 57.7452,
44.5020

■ 13.1602, 11.6146,
6.8279

■ 81.0728, 77.5997,
61.8817

■ 7.6167, 6.4818,
3.2779

■ 105.2519,
101.5517, 83.2830

■ 3.9004, 3.1402,
1.2382

133.8156,
129.9856, 109.1245

■ 1.6459, 1.2054,
0.0103

167.1294,
163.2859, 139.8246

■ 0.4221, 0.0661,
0.0000

205.5585,

■ 0.0000, 0.0000,

201.8369, 175.8019

0.0000

249.4684,
246.0229, 217.4749

■ 31.1901, 28.7912,
20.1330

■ 31.1901, 28.7912,
20.1330

■ 28.5863, 25.0973,
14.5983

■ 34.2074, 32.9809,
26.8262

■ 26.3744, 21.8761,
10.1537

■ 37.6538, 37.6800,
34.7377

■ 24.5343, 19.1088,
6.7260


■ 41.5468, 42.9070,
43.9248


■ 23.0429, 16.7736,
4.2325


■ 45.9024, 48.6779,
54.4411


■ 21.8740, 14.8464,
2.5770


■ 50.7355, 55.0080,
66.3369


 20.9940, 13.2993,
1.6271

 56.0605, 61.9123,
79.6597

 20.7573, 12.8768,
1.3914

 61.8912, 69.4048,
94.4552

 67.3256, 77.1333,
105.9475

 71.0490, 84.5801,
107.1887

Harmonies

Analogous

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



33.1535, 28.7912, 25.7790



31.1901, 28.7912, 20.1330



28.2914, 28.7912, 17.6309

Triad

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



31.1901, 28.7912, 20.1330



22.0238, 28.7912, 28.7979



29.4908, 28.7912, 49.5830

Complementary

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



31.1901, 28.7912, 20.1330



28.2582, 32.5109, 49.0419

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.



26.4594, 28.7912, 50.7980



31.1901, 28.7912, 20.1330



22.2931, 28.7912, 37.6679

Square

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



31.1901, 28.7912, 20.1330



23.1017, 28.7912, 21.9930



23.8665, 28.7912, 46.1065



32.1234, 28.7912, 43.0402

Rectangle

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



31.1901, 28.7912, 20.1330



26.2800, 28.7912, 17.6942



23.8665, 28.7912, 46.1065



28.4798, 28.7912, 50.6700

Sweetspot

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



31.1908, 28.7926, 20.1336



72.1355, 73.5258, 72.0597



31.9351, 24.8119, 37.2421



15.7224, 15.9574, 15.4200



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.1908, 28.7926, 20.1336



52.7436, 46.8150, 28.3757



36.4998, 39.4104, 21.9032



9.2282, 9.4594, 9.4464



14.7118, 9.2000, 1.0004



0.5757, 0.4385, 0.0543

Inverse Universe

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



28.2582, 32.5109, 49.0419



46.6472, 54.4883, 88.2944



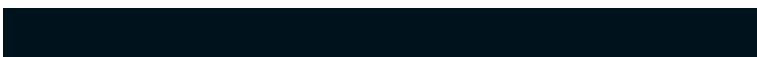
23.2855, 22.5655, 47.3844



9.0228, 9.7228, 11.4806



11.1982, 12.8560, 33.1443



0.4474, 0.5586, 1.1860

Previews

White Background



This preview shows how the XYZ color 31.1901, 28.7912, 20.1330 looks on a white background.

Color Contrast Check

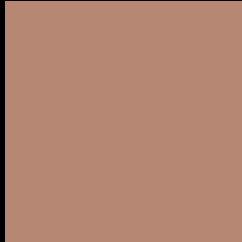
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1901, 28.7912, 20.1330 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 × Fail

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

XYZ 31.1901, 28.7912, 20.1330

Background



This preview shows how black text looks on a background with the XYZ color 31.1901, 28.7912, 20.1330.



This preview shows how white text looks on a background with the XYZ color 31.1901, 28.7912,

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

31.1901, 28.7912, 20.1330

Protanopia

27.1866, 28.8824, 21.9113

Deuteranopia

29.3567, 28.9226, 19.9549



Tritanopia

33.1413, 28.7698, 29.3976

Trichromacy



Original Color

31.1901, 28.7912, 20.1330

Protanomaly

28.4601, 28.6533, 21.1702

Deuteranomaly

29.9491, 28.7941, 19.8989

Tritanomaly

32.3196, 28.6313, 25.6528

Monochromacy



Original Color

31.1901, 28.7912, 20.1330

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.6928, 28.8678, 26.9814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1901, 28.7912, 20.1330 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(182, 136, 115)` looks like.

```
.text, #text, p{  
    color:rgb(182, 136, 115)  
}
```

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(182, 136, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 136, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.1901, 28.7912, 20.1330 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(182, 136, 115) }
```


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

```
.border{ border-color:rgb(182, 136, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 136, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 136, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 136, 115);  
box-shadow:4px 4px 4px 4px rgb(182, 136,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1901, 28.7912, 20.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 136, 115) }
```

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

```
.background{ background-color: rgb(182,  
136, 115) }
```

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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