

Converting Colors

XYZ(31.3191, 31.1240, 6.7397)

Have a look what the booklet for
XYZ(31.3191, 31.1240, 6.7397)
contains.

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Color

**XYZ(31.3191, 31.1240,
6.7397)**

Conversions

Conversions Part 1

Format	Color
Hex	BC912C
RGB	188, 145, 44
RGB Percent	74%, 57%, 17%
CMY	0.2627, 0.4314, 0.8274
CMYK	0.00, 0.23, 0.77, 0.26
HSL	42°, 62%, 45%
HSV	42°, 77%, 74%
XYZ	31.3191, 31.1240, 6.7397
YIQ	146.3430, 58.0490, -22.2950

Conversions

Conversions Part 2

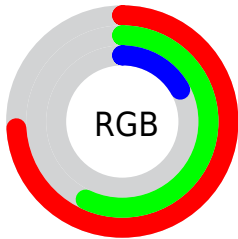
Format	Color
RYB	105, 188, 44
Decimal	12357932
CIELab	62.61, 6.51, 56.42
CIElCh	63, 56.797, 83.423
Yxy	31.1240, 0.4527, 0.4499
Android (android.graphics.Color)	4290548012 (0xFFBC912C)
YUV	146.3430, -50.4551, 36.5332
Hunter-Lab	55.7889, 2.5768, 31.8896

Details

The XYZ color **31.3191, 31.1240, 6.7397** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **13.5240, 10.9824, 48.9838**, and the grayscale version is **27.6474, 29.0872, 31.6760**.

A 20% lighter version of the original color is **61.2925, 61.6664, 19.9816**, and **13.2981, 12.9302, 1.7949** is the 20% darker color. If you saturate the color by 10%, you get **30.2061, 29.3413, 5.0027**, and if you desaturate by 10%, it is **32.6360, 33.0586, 9.3347**.

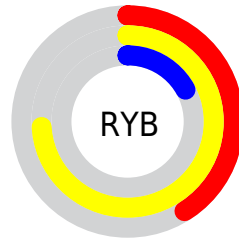
Distribution



Red (74%)

Green (57%)

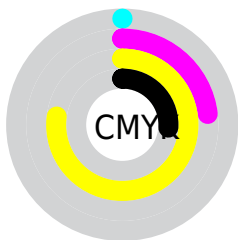
Blue (17%)



Red (41%)

Yellow (74%)

Blue (17%)

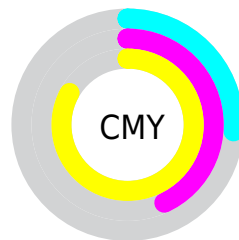


Cyan (0%)

Magenta (23%)

Yellow (77%)

Black (26%)



Cyan (26%)


Magenta (43%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3191, 31.1240, 6.7397 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 31.3191, 31.1240, 6.7397 by changing the saturation by 10% instead.


 31.3191, 31.1240,
6.7397


 31.3191, 31.1240,
6.7397


299.8064,
307.1092, 175.0310

 20.9950, 20.6933,
3.2239


 61.1145, 61.4352,
19.9515


 13.2328, 12.9000,
1.2101


 81.3166, 82.0846,
30.4845

 7.6671, 7.3597,
0.0000


 105.5419,
106.9089, 44.1937

 3.9327, 3.6881,
0.0000

 134.1560,
136.2926, 61.4976

 1.6641, 1.5006,
0.0000

 167.5241,
170.6201, 82.8148

 0.4337, 0.2892,
0.0000

 206.0117,

 0.0000, 0.0000,

210.2757, 108.5637

0.0000

249.9840,
255.6440, 139.1629

■ 31.3191, 31.1240,
6.7397

■ 31.3191, 31.1240,
6.7397

■ 30.2061, 29.3413,
5.0027

■ 32.6360, 33.0586,
9.3347

■ 29.2685, 27.6943,
3.9868

■ 34.1743, 35.1493,
12.8870

■ 28.9721, 27.1576,
3.7150

■ 35.9518, 37.4053,
17.4843

■ 37.9838, 39.8338,
23.2036

■ 40.2840, 42.4410,
30.1147

■ 42.8650, 45.2330,
38.2819

■ 45.7387, 48.2153,
47.7645

■ 48.9162, 51.3931,
58.6184

■ 52.4079, 54.7716,
70.8958

Harmonies

Analogous

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



39.3618, 31.1240, 9.8977



31.3191, 31.1240, 6.7397



24.0542, 31.1240, 7.9014

Triad

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



31.3191, 31.1240, 6.7397



17.9243, 31.1240, 53.8023



43.2088, 31.1240, 66.1430

Complementary

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



31.3191, 31.1240, 6.7397



13.5240, 10.9824, 48.9838

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.



35.8987, 31.1240, 89.9396



31.3191, 31.1240, 6.7397



21.5739, 31.1240, 80.9067

Square

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



31.3191, 31.1240, 6.7397



17.1287, 31.1240, 29.2398



27.9112, 31.1240, 96.2753



46.9577, 31.1240, 39.0061

Rectangle

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



31.3191, 31.1240, 6.7397



20.4899, 31.1240, 11.4083



27.9112, 31.1240, 96.2753



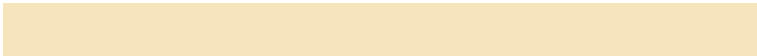
41.0313, 31.1240, 75.2041

Sweetspot

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



31.3198, 31.1255, 6.7403



74.4574, 78.5094, 59.0873



23.3683, 13.1844, 10.3734



15.6622, 16.4988, 11.6194



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.



31.3198, 31.1255, 6.7403



53.5410, 51.0894, 7.6819



32.7757, 43.5396, 9.0597



10.0752, 10.6264, 10.0967



19.7931, 18.6251, 2.5518



0.8299, 0.8387, 0.1181

Inverse Universe

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



13.5240, 10.9824, 48.9838



20.1254, 13.5135, 87.7739



12.7106, 6.8412, 48.2273



9.2425, 9.6773, 12.0530



7.2049, 4.5216, 32.8859



0.3413, 0.2952, 1.3078

Previews

White Background



This preview shows how the XYZ color 31.3191, 31.1240, 6.7397 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 31.3191, 31.1240, 6.7397 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 31.3191, 31.1240, 6.7397

Background



This preview shows how black text looks on a background with the XYZ color 31.3191, 31.1240, 6.7397.



This preview shows how white text looks on a background with the XYZ color 31.3191, 31.1240,

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

31.3191, 31.1240, 6.7397

Protanopia

28.2989, 31.1998, 7.1154

Deuteranopia

31.6631, 31.0755, 6.7122



Tritanopia

36.3580, 31.0054, 31.2625

Trichromacy



Original Color

31.3191, 31.1240, 6.7397

Protanomaly

29.3526, 31.0315, 6.9252

Deuteranomaly

31.4141, 30.9472, 6.7006

Tritanomaly

33.7312, 30.7758, 18.6305

Monochromacy



Original Color

31.3191, 31.1240, 6.7397

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.7371, 29.2390, 18.6498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3191, 31.1240, 6.7397 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(188, 145, 44)` looks like.

```
.text, #text, p{  
    color:rgb(188, 145, 44)  
}
```

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(188, 145, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 145, 44) }
```

Border

The CSS property to change the border of an element to XYZ 31.3191, 31.1240, 6.7397 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(188, 145, 44) }
```


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

```
.border{ border-color:rgb(188, 145, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 145, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 145, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 145, 44);  
box-shadow:4px 4px 4px 4px rgb(188, 145,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3191, 31.1240, 6.7397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 145, 44) }
```

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

```
.background{ background-color: rgb(188,  
145, 44) }
```

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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