

Converting Colors

XYZ(31.4839, 29.8769, 6.7968)

Have a look what the booklet for
XYZ(31.4839, 29.8769, 6.7968)
contains.

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Color

**XYZ(31.4839, 29.8769,
6.7968)**

Conversions

Conversions Part 1

Format	Color
Hex	C08B2F
RGB	192, 139, 47
RGB Percent	75%, 55%, 18%
CMY	0.2471, 0.4549, 0.8157
CMYK	0.00, 0.28, 0.76, 0.25
HSL	38°, 61%, 47%
HSV	38°, 76%, 75%
XYZ	31.4839, 29.8769, 6.7968
YIQ	144.3590, 61.1200, -17.3760

Conversions

Conversions Part 2

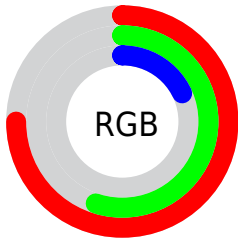
Format	Color
RYB	131, 192, 47
Decimal	12618543
CIELab	61.55, 11.70, 54.37
CIELCh	62, 55.610, 77.857
Yxy	29.8769, 0.4619, 0.4384
Android (android.graphics.Color)	4290808623 (0xFFC08B2F)
YUV	144.3590, -47.9980, 41.7812
Hunter-Lab	54.6598, 7.1610, 30.8893

Details

The XYZ color **31.4839, 29.8769, 6.7968** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.2437, 13.5240, 51.6757**, and the grayscale version is **26.8253, 28.2223, 30.7341**.

A 20% lighter version of the original color is **61.2467, 59.2956, 20.0215**, and **13.4039, 12.2131, 1.6509** is the 20% darker color. If you saturate the color by 10%, you get **30.1949, 27.7885, 4.8586**, and if you desaturate by 10%, it is **33.0098, 32.1668, 9.6548**.

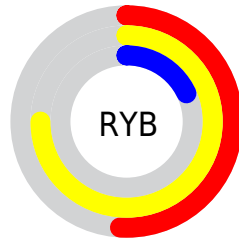
Distribution



Red (75%)

Green (55%)

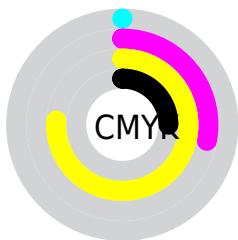
Blue (18%)



Red (51%)

Yellow (75%)

Blue (18%)

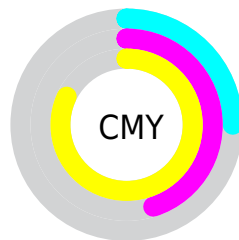


Cyan (0%)

Magenta (28%)

Yellow (76%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4839, 29.8769, 6.7968 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 31.4839, 29.8769, 6.7968 by changing the saturation by 10% instead.


 31.4839, 29.8769,
6.7968

 31.4839, 29.8769,
6.7968


300.5487,
301.3302, 175.5308

 21.1212, 19.7452,
3.2588


 61.3718, 59.4674,
20.0691


 13.3256, 12.2099,
1.2283

 81.6277, 79.6951,
30.6405

 7.7317, 6.8868,
0.0019


 105.9122,
104.0567, 44.3935

 3.9741, 3.3914,
0.0000

 134.5904,
132.9369, 61.7466

 1.6875, 1.3393,
0.0000

 168.0278,
166.7200, 83.1183

 0.4484, 0.1714,
0.0000

 206.5898,

 0.0000, 0.0000,

205.7903, 108.9272

0.0000

250.6416,
250.5322, 139.5919

■ 31.4839, 29.8769,
6.7968

■ 31.4839, 29.8769,
6.7968

■ 30.1949, 27.7885,
4.8586

■ 33.0098, 32.1668,
9.6548

■ 29.1151, 25.8850,
3.7088

■ 34.7916, 34.6642,
13.5357

■ 28.6762, 25.0828,
3.3301

■ 36.8482, 37.3796,
18.5308

■ 39.1961, 40.3214,
24.7205

■ 41.8500, 43.4972,
32.1779

■ 44.8238, 46.9144,
40.9700

■ 48.1302, 50.5796,
51.1592

■ 51.7813, 54.4994,
62.8040

■ 55.7885, 58.6799,
75.9592

Harmonies

Analogous

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



39.0080, 29.8769, 10.7614



31.4839, 29.8769, 6.7968



24.2689, 29.8769, 7.1723

Triad

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



31.4839, 29.8769, 6.7968



16.9303, 29.8769, 46.6330



40.2558, 29.8769, 68.0742

Complementary

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



31.4839, 29.8769, 6.7968



15.2437, 13.5240, 51.6757

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.



32.9688, 29.8769, 88.4795



31.4839, 29.8769, 6.7968



19.9093, 29.8769, 72.8640

Square

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



31.4839, 29.8769, 6.7968



16.6725, 29.8769, 24.7180



25.5190, 29.8769, 90.5361



44.6289, 29.8769, 41.8377

Rectangle

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



31.4839, 29.8769, 6.7968



20.5569, 29.8769, 9.8549



25.5190, 29.8769, 90.5361



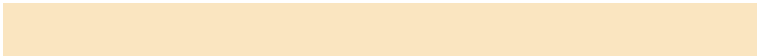
38.0134, 29.8769, 76.2551

Sweetspot

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



31.4846, 29.8784, 6.7974



76.9396, 80.1095, 61.5228



25.0631, 14.1630, 13.5122



16.1063, 16.7181, 12.0429



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.4846, 29.8784, 6.7974



53.3175, 47.9241, 7.2243



36.5226, 46.7505, 9.7885



10.5939, 11.1192, 10.6497



19.3724, 17.0306, 2.2662



0.9008, 0.8634, 0.1192

Inverse Universe

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



15.2437, 13.5240, 51.6757



22.6950, 17.2991, 92.5032



12.8005, 7.0090, 50.5470



9.8230, 10.3373, 12.7624



7.9516, 5.6596, 34.2299



0.4095, 0.3764, 1.5010

Previews

White Background



This preview shows how the XYZ color 31.4839, 29.8769, 6.7968 looks on a white background.

Color Contrast Check

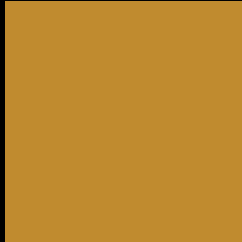
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4839, 29.8769, 6.7968 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 31.4839, 29.8769, 6.7968

Background



This preview shows how black text looks on a background with the XYZ color 31.4839, 29.8769, 6.7968.



This preview shows how white text looks on a background with the XYZ color 31.4839, 29.8769,

6.7968.

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

31.4839, 29.8769, 6.7968

Protanopia

27.2595, 29.9407, 7.3600

Deuteranopia

30.5115, 29.8118, 6.7309



Tritanopia

36.0050, 29.8645, 28.6777

Trichromacy



Original Color

31.4839, 29.8769, 6.7968

Protanomaly

28.5843, 29.7027, 7.1324

Deuteranomaly

30.8575, 29.7722, 6.7050

Tritanomaly

33.7540, 29.5514, 17.5606

Monochromacy



Original Color

31.4839, 29.8769, 6.7968

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.1313, 28.0272, 18.4478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4839, 29.8769, 6.7968 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(192, 139, 47)` looks like.

```
.text, #text, p{  
    color:rgb(192, 139, 47)  
}
```

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(192, 139, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 139, 47) }
```

Border

The CSS property to change the border of an element to XYZ 31.4839, 29.8769, 6.7968 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(192, 139, 47) }
```


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

```
.border{ border-color:rgb(192, 139, 47) }
```

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

Here you see how a box with a 4 pixel rgb(192, 139, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 139, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 139, 47);  
box-shadow:4px 4px 4px 4px rgb(192, 139,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4839, 29.8769, 6.7968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 139, 47) }
```

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

```
.background{ background-color: rgb(192,  
139, 47) }
```

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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