

Converting Colors

XYZ(31.7864, 30.6718, 4.8753)

Have a look what the booklet for
XYZ(31.7864, 30.6718, 4.8753)
contains.

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Color

**XYZ(31.7829, 30.7305,
4.8725)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C18E13 |
| RGB | 193, 142, 19 |
| RGB Percent | 76%, 56%, 7% |
| CMY | 0.2431, 0.4431, 0.9255 |
| CMYK | 0.00, 0.26, 0.90, 0.24 |
| HSL | 42°, 82%, 42% |
| HSV | 42°, 90%, 76% |
| XYZ | 31.7829, 30.7305, 4.8725 |
| YIQ | 143.2270, 69.8790, -27.4410 |

Conversions

Conversions Part 2

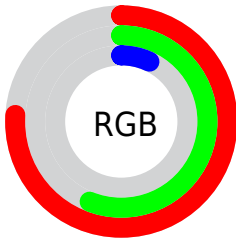
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 91, 193, 19 |
| Decimal | 12684819 |
| CIE Lab | 62.28, 9.64, 63.96 |
| CIE LCh | 62, 64.681, 81.433 |
| Yxy | 30.7305, 0.4717, 0.4560 |
| Android (android.graphics.Color) | 4290874899 (0xFFC18E13) |
| YUV | 143.2270, -61.2439, 43.6509 |
| Hunter-Lab | 55.4351, 5.3289, 33.5932 |

Details

The XYZ color **31.7829, 30.7305, 4.8725** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **12.0845, 8.3691, 51.4303**, and the grayscale version is **26.4179, 27.7937, 30.2673**.

A 20% lighter version of the original color is **61.8361, 60.6802, 16.0428**, and **13.6587, 12.7226, 1.7358** is the 20% darker color. If you saturate the color by 10%, you get **30.8577, 29.0685, 3.9844**, and if you desaturate by 10%, it is **32.8839, 32.5532, 6.4100**.

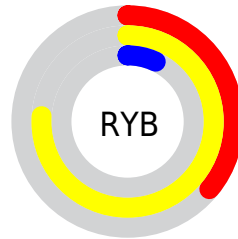
Distribution



Red (76%)

Green (56%)

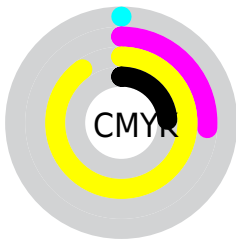
Blue (7%)



Red (36%)

Yellow (76%)

Blue (7%)

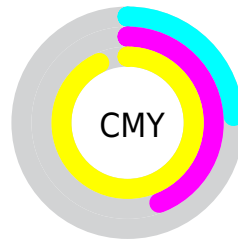


Cyan (0%)

Magenta (26%)

Yellow (90%)

Black (24%)



Cyan (24%)


Magenta (44%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7829, 30.7305, 4.8725 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 31.7829, 30.7305, 4.8725 by changing the saturation by 10% instead.


 31.7829, 30.7305,
4.8725


 31.7829, 30.7305,
4.8725


301.8920,
305.2948, 157.4789


 21.3505, 20.3937,
2.1152


 61.8381, 60.8155,
15.9767


 13.4943, 12.6816,
0.6248


 82.1916, 81.3325,
25.1606

 7.8492, 7.2096,
0.0000


 106.5827,
106.0118, 37.3239

 4.0496, 3.5936,
0.0000

 135.3770,
135.2376, 52.8851

 1.7302, 1.4489,
0.0000

 168.9397,
169.3944, 72.2626

 0.4751, 0.2524,
0.0000

 207.6362,

 0.0000, 0.0000,

208.8666, 95.8751

0.0000

251.8318,
254.0386, 124.1410

31.7829, 30.7305,
4.8725

31.7829, 30.7305,
4.8725

30.8577, 29.0685,
3.9844

32.8839, 32.5532,
6.4100

34.1893, 34.5257,
8.8128

35.7222, 36.6595,
12.1971

37.5017, 38.9631,
16.6603

39.5446, 41.4443,
22.2881

■ 41.8661, 44.1100,
29.1577

■ 44.4800, 46.9665,
37.3393

■ 47.3993, 50.0201,
46.8981

■ 50.6359, 53.2762,
57.8949

Harmonies

Analogous

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



40.9819, 30.7305, 8.1805



31.7829, 30.7305, 4.8725



23.4904, 30.7305, 5.6862

Triad

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



31.7829, 30.7305, 4.8725



16.1967, 30.7305, 54.2968



44.4088, 30.7305, 73.3046

Complementary

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



31.7829, 30.7305, 4.8725



12.0845, 8.3691, 51.4303

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.



35.7863, 30.7305, 101.1870



31.7829, 30.7305, 4.8725



19.9380, 30.7305, 86.9280

Square

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



31.7829, 30.7305, 4.8725



15.5480, 30.7305, 26.7932



26.7769, 30.7305, 107.1341



49.1659, 30.7305, 41.1506

Rectangle

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



31.7829, 30.7305, 4.8725



19.4433, 30.7305, 8.8001



26.7769, 30.7305, 107.1341



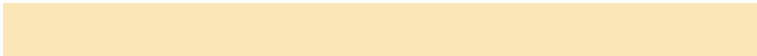
41.7936, 30.7305, 84.0385

Sweetspot

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



31.7836, 30.7320, 4.8731



76.2078, 80.3638, 55.9829



23.3691, 12.2609, 7.1306



16.0195, 16.8735, 10.9998



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.



31.7836, 30.7320, 4.8731



55.0434, 51.6153, 7.0616



33.3275, 45.4762, 7.6376



10.6561, 11.2435, 10.6705



20.5960, 19.4778, 2.6741



0.9471, 0.9560, 0.1346

Inverse Universe

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



12.0845, 8.3691, 51.4303



19.6380, 11.6927, 91.5822



11.3694, 5.0951, 50.8360



9.7635, 10.2183, 12.7426



7.4220, 4.6006, 34.0534



0.3821, 0.3216, 1.4918

Previews

White Background



This preview shows how the XYZ color 31.7829, 30.7305, 4.8725 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 31.7829, 30.7305, 4.8725 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 31.7829, 30.7305, 4.8725

Background



This preview shows how black text looks on a background with the XYZ color 31.7829, 30.7305, 4.8725.



This preview shows how white text looks on a background with the XYZ color 31.7829, 30.7305,

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

31.7829, 30.7305, 4.8725

Protanopia

27.7890, 30.7372, 5.2273

Deuteranopia

31.4175, 30.7650, 4.8546



Tritanopia

36.9532, 30.7349, 29.5760

Trichromacy



Original Color

31.7829, 30.7305, 4.8725

Protanomaly

29.0854, 30.6989, 5.1020

Deuteranomaly

31.6699, 30.8951, 4.8664

Tritanomaly

33.9878, 30.3417, 15.3744

Monochromacy



Original Color

31.7829, 30.7305, 4.8725

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.7250, 28.1038, 15.5713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7829, 30.7305, 4.8725 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(193, 142, 19)` looks like.

```
.text, #text, p{  
    color:rgb(193, 142, 19)  
}
```

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(193, 142, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 142, 19) }
```

Border

The CSS property to change the border of an element to XYZ 31.7829, 30.7305, 4.8725 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(193, 142, 19) }
```


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

```
.border{ border-color:rgb(193, 142, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 142, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 142, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 142, 19);  
box-shadow:4px 4px 4px 4px rgb(193, 142,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7829, 30.7305, 4.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 142, 19) }
```

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

```
.background{ background-color: rgb(193,  
142, 19) }
```

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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