

Converting Colors

XYZ(31.7491, 24.2068, 5.7142)

Have a look what the booklet for
XYZ(31.7491, 24.2068, 5.7142)
contains.

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Color

**XYZ(31.8881, 24.3403,
5.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	D06C2F
RGB	208, 108, 47
RGB Percent	82%, 42%, 18%
CMY	0.1843, 0.5764, 0.8157
CMYK	0.00, 0.48, 0.77, 0.18
HSL	23°, 63%, 50%
HSV	23°, 77%, 82%
XYZ	31.8881, 24.3403, 5.7068
YIQ	130.9460, 79.1810, 2.2290

Conversions

Conversions Part 2

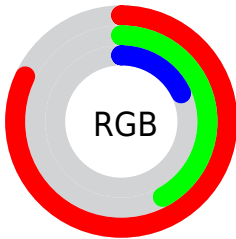
Format	Color
R _Y B	208, 145, 47
Decimal	13659183
CIE Lab	56.43, 35.24, 50.03
CIE LCh	56, 61.195, 54.835
Yxy	24.3403, 0.5149, 0.3930
Android (android.graphics.Color)	4291849263 (0xFFD06C2F)
YUV	130.9460, -41.3854, 67.5764
Hunter-Lab	49.3359, 29.0351, 27.6769

Details

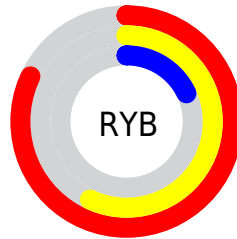
The XYZ color **31.8881, 24.3403, 5.7068** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **22.9903, 26.0242, 63.4855**, and the grayscale version is **21.6782, 22.8072, 24.8370**.

A 20% lighter version of the original color is **56.1425, 47.6128, 17.5404**, and **13.5457, 9.2292, 1.0675** is the 20% darker color. If you saturate the color by 10%, you get **30.3011, 21.6856, 3.5779**, and if you desaturate by 10%, it is **33.8779, 27.4813, 8.9561**.

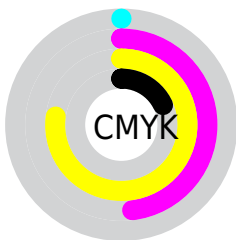
Distribution



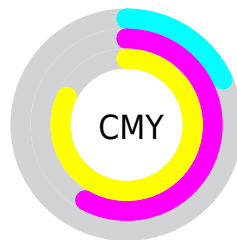
- Red (82%)
- Green (42%)
- Blue (18%)



- Red (82%)
- Yellow (57%)
- Blue (18%)



- Cyan (0%)
- Magenta (48%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (58%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8881, 24.3403, 5.7068 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 31.8881, 24.3403, 5.7068 by changing the saturation by 10% instead.


 31.8881, 24.3403,
5.7068


 31.8881, 24.3403,
5.7068


302.3635,
274.5364, 165.6393


 21.4312, 15.5862,
2.6017


 62.0020, 50.5850,
17.7863


 13.5538, 9.2319,
0.8934


 82.3897, 68.8443,
27.5978

 7.8906, 4.8927,
0.0000


 106.8183, 91.0410,
40.4818

 4.0762, 2.1845,
0.0000

 135.6533,
117.5592, 56.8569

 1.7454, 0.7115,
0.0000

 169.2600,
148.7835, 77.1417

 0.4844, 0.0000,
0.0000

 208.0037,

 0.0000, 0.0000,

185.0982, 101.7547

0.0000

252.2497,
226.8877, 131.1144

■ 31.8881, 24.3403,
5.7068

■ 31.8881, 24.3403,
5.7068

■ 30.3011, 21.6856,
3.5779

■ 33.8779, 27.4813,
8.9561

■ 29.0720, 19.4819,
2.3832

■ 36.3022, 31.1314,
13.4594

■ 28.7949, 18.9751,
2.1449

■ 39.1910, 35.3162,
19.3328

■ 42.5706, 40.0580,
26.6784

■ 46.4651, 45.3778,
35.5887

■ 50.8970, 51.2956,
46.1484

■ 55.8874, 57.8301,
58.4361

■ 61.4560, 64.9992,
72.5253

■ 67.6216, 72.8201,
88.4854

Harmonies

Analogous

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



37.8081, 24.3403, 13.2749



31.8881, 24.3403, 5.7068



24.3813, 24.3403, 3.5557

Triad

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



31.8881, 24.3403, 5.7068



12.0583, 24.3403, 23.1472



29.3322, 24.3403, 79.9196

Complementary

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



31.8881, 24.3403, 5.7068



22.9903, 26.0242, 63.4855

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.



21.9314, 24.3403, 87.3281



31.8881, 24.3403, 5.7068



12.8542, 24.3403, 46.4666

Square

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



31.8881, 24.3403, 5.7068



13.6999, 24.3403, 9.7999



16.1505, 24.3403, 72.8194



36.1341, 24.3403, 55.8721

Rectangle

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



31.8881, 24.3403, 5.7068



19.8233, 24.3403, 3.8630



16.1505, 24.3403, 72.8194



26.7958, 24.3403, 84.8269

Sweetspot

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



31.8886, 24.3416, 5.7072



76.4641, 75.7023, 63.0156



32.4510, 17.6119, 30.1090



15.8351, 15.4897, 12.2346



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8886, 24.3416, 5.7072



46.6800, 31.9673, 4.2759



44.1968, 48.9579, 9.8099



12.1706, 12.5319, 12.3895



18.0330, 11.9989, 1.3656



1.0839, 0.8221, 0.1016

Inverse Universe

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



22.9903, 26.0242, 63.4855



31.7770, 34.3078, 99.5550



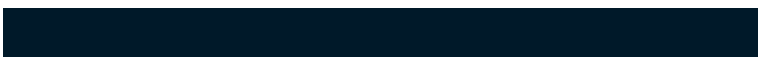
14.6530, 9.3495, 60.7064



11.7664, 12.6230, 15.0600



12.0995, 12.8456, 39.0342



0.7517, 0.8686, 2.2076

Previews

White Background



This preview shows how the XYZ color 31.8881, 24.3403, 5.7068 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 31.8881, 24.3403, 5.7068 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 31.8881, 24.3403, 5.7068

Background



This preview shows how black text looks on a background with the XYZ color 31.8881, 24.3403, 5.7068.



This preview shows how white text looks on a background with the XYZ color 31.8881, 24.3403,

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

31.8881, 24.3403, 5.7068

Protanopia

22.2562, 24.4635, 7.1633

Deuteranopia

24.8108, 24.3998, 5.4094



Tritanopia

34.3757, 24.4558, 17.3766

Trichromacy



Original Color

31.8881, 24.3403, 5.7068

Protanomaly

25.0939, 23.9403, 6.5472

Deuteranomaly

27.0406, 24.0395, 5.5004

Tritanomaly

33.2084, 24.2742, 11.7392

Monochromacy



Original Color

31.8881, 24.3403, 5.7068

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.6813, 22.4569, 15.1431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8881, 24.3403, 5.7068 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(208, 108, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 108, 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(208, 108, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 108, 47) }
```

Border

The CSS property to change the border of an element to XYZ 31.8881, 24.3403, 5.7068 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(208, 108, 47) }
```


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

```
.border{ border-color:rgb(208, 108, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 108, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 108, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 108, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 108,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8881, 24.3403, 5.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 108, 47) }
```

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

```
.background{ background-color: rgb(208,  
108, 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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