

# Converting Colors

XYZ(31.9891, 26.7771, 5.5815)

Have a look what the booklet for  
XYZ(31.9891, 26.7771, 5.5815)  
contains.

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# Color

**XYZ(31.9884, 26.7757,  
5.5801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7A29
RGB	203, 122, 41
RGB Percent	80%, 48%, 16%
CMY	0.2039, 0.5215, 0.8392
CMYK	0.00, 0.40, 0.80, 0.20
HSL	30°, 66%, 48%
HSV	30°, 80%, 80%
XYZ	31.9884, 26.7757, 5.5801
YIQ	136.9850, 74.2770, -8.0190

# Conversions

## Conversions Part 2

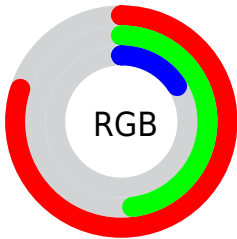
Format	Color
R <sub>Y</sub> B	203, 203, 41
Decimal	13335081
CIE Lab	58.77, 25.53, 54.62
CIE LCh	59, 60.289, 64.951
Yxy	26.7757, 0.4971, 0.4161
Android (android.graphics.Color)	4291525161 (0xFFCB7A29)
YUV	136.9850, -47.3206, 57.8952
Hunter-Lab	51.7452, 19.7928, 29.8280

# Details

The XYZ color **31.9884, 26.7757, 5.5801** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **18.6531, 18.7014, 59.1261**, and the grayscale version is **23.9266, 25.1726, 27.4130**.

A 20% lighter version of the original color is **58.5458, 52.7103, 17.4443**, and **13.7102, 10.6047, 1.3243** is the 20% darker color. If you saturate the color by 10%, you get **30.5394, 24.3062, 3.7771**, and if you desaturate by 10%, it is **33.7513, 29.5813, 8.3887**.

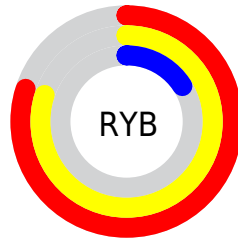
# Distribution



Red (80%)

Green (48%)

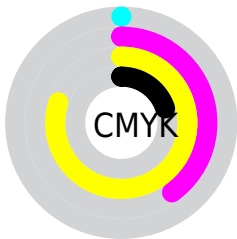
Blue (16%)



Red (80%)

Yellow (80%)

Blue (16%)

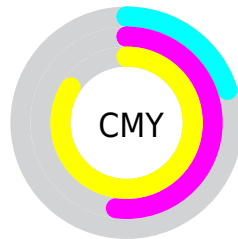


Cyan (0%)

Magenta (40%)

Yellow (80%)

Black (20%)



Cyan (20%)

Magenta (52%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9884, 26.7757, 5.5801 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 31.9884, 26.7757, 5.5801 by changing the saturation by 10% instead.





 31.9884, 26.7757,  
5.5801


 31.9884, 26.7757,  
5.5801


302.8126,  
286.5695, 164.4366


 21.5081, 17.4048,  
2.5269


 62.1582, 54.5237,  
17.5153


 13.6105, 10.5236,  
0.8543


 82.5785, 73.6697,  
27.2343


 7.9302, 5.7474,  
0.0000

 107.0428, 96.8428,  
40.0124

 4.1017, 2.6921,  
0.0000

 135.9165,  
124.4275, 56.2680

 1.7598, 0.9732,  
0.0000

 169.5650,  
156.8081, 76.4196

 0.4933, 0.0000,  
0.0000

 208.3536,

 0.0000, 0.0000,

194.3690, 100.8859

0.0000

252.6477,  
237.4947, 130.0854

■ 31.9884, 26.7757,  
5.5801

■ 31.9884, 26.7757,  
5.5801

■ 30.5394, 24.3062,  
3.7771

■ 33.7513, 29.5813,  
8.3887

■ 29.3533, 22.1426,  
2.7384

■ 35.8548, 32.7364,  
12.3326

■ 29.3314, 22.1023,  
2.7202

■ 38.3240, 36.2580,  
17.5237

■ 41.1808, 40.1604,  
24.0596

■ 44.4450, 44.4570,  
32.0281

■ 48.1349, 49.1603,  
41.5096

■ 52.2677, 54.2823,  
52.5785

■ 56.8594, 59.8343,  
65.3041

■ 61.9251, 65.8270,  
79.7517

# Harmonies

## Analogous

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



39.0432, 26.7757, 11.4383



31.9884, 26.7757, 5.5801



24.2366, 26.7757, 4.4408

# Triad

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



31.9884, 26.7757, 5.5801



13.7072, 26.7757, 32.8290



34.5401, 26.7757, 77.1765

# Complementary

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



31.9884, 26.7757, 5.5801



18.6531, 18.7014, 59.1261

# 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.



26.7022, 26.7757, 91.8446



31.9884, 26.7757, 5.5801



15.4459, 26.7757, 59.4273

# Square

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



31.9884, 26.7757, 5.5801



14.5790, 26.7757, 15.0383



19.8686, 26.7757, 84.1314



40.7060, 26.7757, 50.1289



# Rectangle

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



31.9884, 26.7757, 5.5801



19.8873, 26.7757, 5.5703



19.8686, 26.7757, 84.1314



31.9627, 26.7757, 84.1912

# Sweetspot

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



31.9890, 26.7771, 5.5806



77.7189, 78.6736, 62.0105



28.9344, 15.6877, 19.9157



16.1650, 16.2379, 12.0727



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.



31.9890, 26.7771, 5.5806



49.6298, 37.9501, 5.0022



46.3845, 55.5681, 10.3791



11.6680, 12.1250, 11.8048



18.7576, 14.2482, 1.7615



1.0436, 0.8869, 0.1162



# Inverse Universe

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



18.6531, 18.7014, 59.1261



26.5095, 23.9495, 97.8333



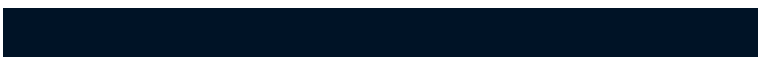
12.4870, 6.3693, 57.0708



11.0574, 11.7552, 14.2566



9.9433, 8.9106, 37.1521



0.5889, 0.6115, 1.9419



# Previews

## White Background



This preview shows how the XYZ color 31.9884, 26.7757, 5.5801 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 31.9884, 26.7757, 5.5801 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 31.9884, 26.7757, 5.5801**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.9884, 26.7757, 5.5801.



This preview shows how white text looks on a background with the XYZ color 31.9884, 26.7757,



# 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

31.9884, 26.7757, 5.5801

### Protanopia

24.4642, 26.9142, 6.4903

### Deuteranopia

27.3425, 26.9203, 5.4241



## Tritanopia

35.2623, 26.7052, 21.7084

# Trichromacy



## Original Color

31.9884, 26.7757, 5.5801

## Protanomaly

26.7978, 26.6238, 6.1094

## Deuteranomaly

28.8260, 26.6700, 5.4623

## Tritanomaly

33.7907, 26.6347, 13.7160

# Monochromacy



## Original Color

31.9884, 26.7757, 5.5801

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

25.3475, 25.0389, 16.0674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9884, 26.7757, 5.5801 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(203, 122, 41)` looks like.

```
.text, #text, p{  
    color:rgb(203, 122, 41)  
}
```

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(203, 122, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 122, 41) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9884, 26.7757, 5.5801 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(203, 122, 41) }
```



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

```
.border{ border-color:rgb(203, 122, 41) }
```

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

Here you see how a box with a 4 pixel rgb(203, 122, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 122, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 122, 41);  
box-shadow:4px 4px 4px 4px rgb(203, 122,  
41) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9884, 26.7757, 5.5801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 122, 41) }
```

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

```
.background{ background-color: rgb(203,  
122, 41) }
```

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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