

Converting Colors

XYZ(31.3092, 23.7653, 3.7165)

Have a look what the booklet for
XYZ(31.3092, 23.7653, 3.7165)
contains.

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Color

**XYZ(31.3113, 23.7759,
3.6980)**

Conversions

Conversions Part 1

Format	Color
Hex	D06A16
RGB	208, 106, 22
RGB Percent	82%, 42%, 9%
CMY	0.1843, 0.5843, 0.9137
CMYK	0.00, 0.49, 0.89, 0.18
HSL	27°, 81%, 45%
HSV	27°, 89%, 82%
XYZ	31.3113, 23.7759, 3.6980
YIQ	126.9220, 87.7560, -4.5000

Conversions

Conversions Part 2

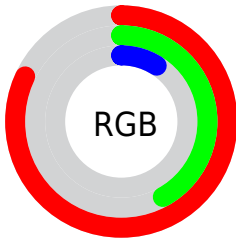
Format	Color
RYB	208, 175, 22
Decimal	13658646
CIELab	55.86, 35.57, 59.13
CIElCh	56, 69.006, 58.973
Yxy	23.7759, 0.5326, 0.4045
Android (android.graphics.Color)	4291848726 (0xFFD06A16)
YUV	126.9220, -51.7265, 71.1054
Hunter-Lab	48.7605, 29.2918, 29.6358

Details

The XYZ color **31.3113, 23.7759, 3.6980** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.9233, 19.1392, 62.3709**, and the grayscale version is **20.2978, 21.3549, 23.2554**.

A 20% lighter version of the original color is **54.9777, 46.5921, 13.1167**, and **13.4468, 9.0314, 1.0345** is the 20% darker color. If you saturate the color by 10%, you get **30.0752, 21.5251, 2.6042**, and if you desaturate by 10%, it is **32.8542, 26.4017, 5.6311**.

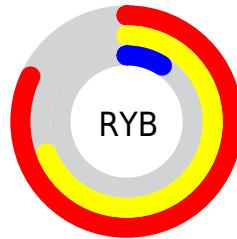
Distribution



Red (82%)

Green (42%)

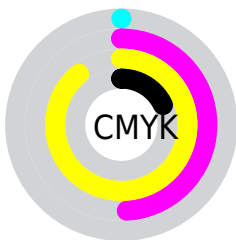
Blue (9%)



Red (82%)

Yellow (69%)

Blue (9%)

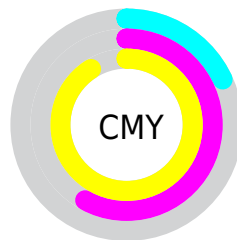


Cyan (0%)

Magenta (49%)

Yellow (89%)

Black (18%)



Cyan (18%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3113, 23.7759, 3.6980 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 31.3113, 23.7759, 3.6980 by changing the saturation by 10% instead.


 31.3113, 23.7759,
3.6980


 31.3113, 23.7759,
3.6980


299.7713,
271.6855, 144.8071

 20.9890, 15.1675,
1.4612


 61.1024, 49.6643,
13.3070


 13.2284, 8.9370,
0.1888


 81.3018, 67.7130,
21.5163


 7.6641, 4.7001,
0.0000


 105.5244, 89.6772,
32.5535

 3.9307, 2.0724,
0.0000

 134.1354,
115.9414, 46.8372

 1.6630, 0.6490,
0.0000

 167.5003,
146.8900, 64.7858

 0.4330, 0.0000,
0.0000

 205.9843,

 0.0000, 0.0000,

182.9072, 86.8180

0.0000

249.9528,
224.3776, 113.3522

31.3113, 23.7759,
3.6980

31.3113, 23.7759,
3.6980

30.0752, 21.5251,
2.6042

32.8542, 26.4017,
5.6311

30.0097, 21.4046,
2.5498

34.7528, 29.4282,
8.6402

37.0392, 32.8781,
12.8646

39.7409, 36.7706,
18.4225

42.8820, 41.1235,
25.4175

■ 46.4849, 45.9534,
33.9430

■ 50.5701, 51.2760,
44.0844

■ 55.1569, 57.1059,
55.9209

■ 60.2631, 63.4575,
69.5261

Harmonies

Analogous

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



38.5537, 23.7759, 10.0800



31.3113, 23.7759, 3.6980



22.8702, 23.7759, 2.2529

Triad

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



31.3113, 23.7759, 3.6980



10.6114, 23.7759, 25.1201



30.7319, 23.7759, 85.1611

Complementary

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



31.3113, 23.7759, 3.6980



18.9233, 19.1392, 62.3709

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.



22.3286, 23.7759, 97.6875



31.3113, 23.7759, 3.6980



11.7932, 23.7759, 53.0005

Square

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



31.3113, 23.7759, 3.6980



11.9696, 23.7759, 9.3806



15.6731, 23.7759, 83.4571



38.1684, 23.7759, 55.1961

Rectangle

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



31.3113, 23.7759, 3.6980



18.0351, 23.7759, 2.7450



15.6731, 23.7759, 83.4571



27.8728, 23.7759, 92.1183

Sweetspot

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



31.3118, 23.7772, 3.6984



74.9950, 74.5638, 56.9776



29.9564, 15.4467, 20.5715



15.5996, 15.3628, 11.0958



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.



31.3118, 23.7772, 3.6984



47.3899, 33.5598, 3.9800



46.5115, 54.1765, 8.7650



12.2421, 12.6750, 12.4133



18.7976, 13.5282, 1.6205



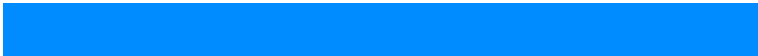
1.1298, 0.9139, 0.1169

Inverse Universe

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



18.9233, 19.1392, 62.3709



27.4036, 25.9272, 98.1679



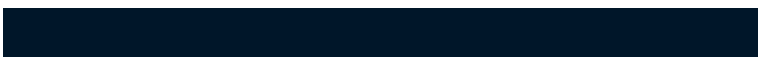
12.2140, 5.7206, 60.1345



11.6933, 12.4768, 15.0356



10.9481, 10.5429, 38.6504



0.6908, 0.7469, 2.1873

Previews

White Background



This preview shows how the XYZ color 31.3113, 23.7759, 3.6980 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 31.3113, 23.7759, 3.6980 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 31.3113, 23.7759, 3.6980

Background



This preview shows how black text looks on a background with the XYZ color 31.3113, 23.7759, 3.6980.



This preview shows how white text looks on a background with the XYZ color 31.3113, 23.7759,

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

31.3113, 23.7759, 3.6980

Protanopia

21.6608, 24.0010, 4.7193

Deuteranopia

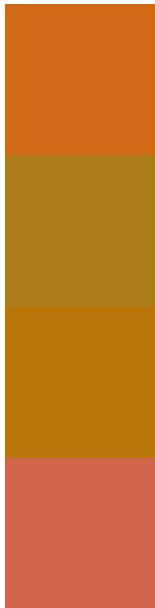
24.1669, 23.7248, 3.3056



Tritanopia

33.9273, 23.8132, 16.4439

Trichromacy



Original Color

31.3113, 23.7759, 3.6980

Protanomaly

24.4187, 23.2651, 4.2405

Deuteranomaly

26.4078, 23.4015, 3.3548

Tritanomaly

32.5997, 23.7124, 9.5154

Monochromacy



Original Color

31.3113, 23.7759, 3.6980

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.1103, 20.9828, 12.3359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3113, 23.7759, 3.6980 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, 106, 22)` looks like.

```
.text, #text, p{  
    color:rgb(208, 106, 22)  
}
```

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, 106, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 106, 22) }
```

Border

The CSS property to change the border of an element to XYZ 31.3113, 23.7759, 3.6980 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, 106, 22) }
```


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

```
.border{ border-color:rgb(208, 106, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 106, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 106, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 106, 22);  
box-shadow:4px 4px 4px 4px rgb(208, 106,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3113, 23.7759, 3.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 106, 22) }
```

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

```
.background{ background-color: rgb(208,  
106, 22) }
```

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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