

Converting Colors

XYZ(30.7480, 22.9532, 0.5389)

Have a look what the booklet for
XYZ(30.7480, 22.9532, 0.5389)
contains.

XYZ(31.0459, 23.0581, 2.8144)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0459, 23.0581,
2.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	D16600
RGB	209, 102, 0
RGB Percent	82%, 40%, 0%
CMY	0.1804, 0.6000, 1.0000
CMYK	0.00, 0.51, 1.00, 0.18
HSL	29°, 100%, 41%
HSV	29°, 100%, 82%
XYZ	31.0459, 23.0581, 2.8144
YIQ	122.3650, 96.5140, -9.0380

Conversions

Conversions Part 2

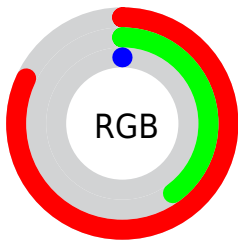
Format	Color
R_{YB}	209, 199, 0
Decimal	13723136
CIE Lab	55.13, 37.74, 63.51
CIE LCh	55, 73.875, 59.279
Yxy	23.0581, 0.5454, 0.4051
Android (android.graphics.Color)	4291913216 (0xFFD16600)
YUV	122.3650, -60.3259, 75.9789
Hunter-Lab	48.0189, 31.3736, 30.1382

Details

The XYZ color **31.0459, 23.0581, 2.8144** 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 **16.7663, 15.1187, 62.3556**, and the grayscale version is **18.7885, 19.7670, 21.5263**.

A 20% lighter version of the original color is **53.9155, 45.0843, 10.8615**, and **13.2606, 8.6590, 0.9724** is the 20% darker color. If you saturate the color by 10%, you get **31.0460, 23.0586, 2.8145**, and if you desaturate by 10%, it is **32.3012, 25.3539, 3.8963**.

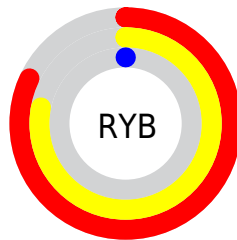
Distribution



Red (82%)

Green (40%)

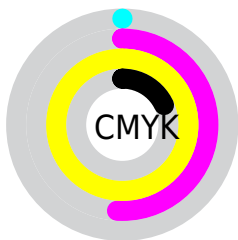
Blue (0%)



Red (82%)

Yellow (78%)

Blue (0%)

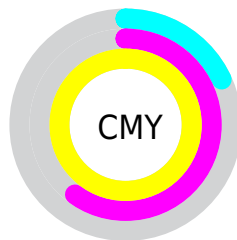


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0459, 23.0581, 2.8144 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 31.0459, 23.0581, 2.8144 by changing the saturation by 10% instead.


 31.0459, 23.0581,
2.8144

 31.0459, 23.0581,
2.8144


298.5728,
268.0233, 133.9605


 20.7858, 14.6364,
1.0007


 60.6877, 48.4887,
11.1669

 13.0791, 8.5646,
0.0000


 80.8001, 66.2664,
18.5428


 7.5604, 4.4583,
0.0000


 104.9273, 87.9316,
28.6098

 3.8644, 1.9331,
0.0000

 133.4346,
113.8686, 41.7864

 1.6257, 0.5682,
0.0000

 166.6875,
144.4619, 58.4913

 0.4091, 0.0000,
0.0000


 205.0513,


 0.0000, 0.0000,


180.0959, 79.1429


0.0000


 248.8913,
221.1548, 104.1598


 31.0459, 23.0581,
2.8144


 31.0459, 23.0581,
2.8144


 31.0460, 23.0586,
2.8145

 32.3012, 25.3539,
3.8963

 33.8422, 27.9879,
5.7910

 35.7231, 30.9903,
8.7588

 37.9749, 34.3806,
12.9417

 40.6244, 38.1762,
18.4597

■ 43.6955, 42.3932,
25.4183

■ 47.2097, 47.0466,
33.9121

■ 51.1872, 52.1503,
44.0277

■ 55.6464, 57.7177,
55.8450

Harmonies

Analogous

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



38.8414, 23.0581, 8.8126



31.0459, 23.0581, 2.8144



22.1160, 23.0581, 1.5791

Triad

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



31.0459, 23.0581, 2.8144



9.5855, 23.0581, 24.5397



30.6124, 23.0581, 89.1134

Complementary

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



31.0459, 23.0581, 2.8144



16.7663, 15.1187, 62.3556

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.



21.7173, 23.0581, 103.2825



31.0459, 23.0581, 2.8144



10.7987, 23.0581, 54.4732

Square

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



31.0459, 23.0581, 2.8144



10.9236, 23.0581, 8.3296



14.7784, 23.0581, 87.7915



38.5501, 23.0581, 56.1474

Rectangle

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



31.0459, 23.0581, 2.8144



17.0907, 23.0581, 2.0159



14.7784, 23.0581, 87.7915



27.5736, 23.0581, 96.8961

Sweetspot

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



31.0464, 23.0594, 2.8148



73.8401, 73.5224, 52.6826



29.0004, 14.6378, 15.4805



15.2854, 15.0546, 10.0033



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.



31.0464, 23.0594, 2.8148



48.5047, 35.7895, 4.3516



48.2493, 57.4652, 8.5491



12.2782, 12.7471, 12.4253



19.2403, 14.4135, 1.7680



1.1551, 0.9646, 0.1253

Inverse Universe

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



16.7663, 15.1187, 62.3556



26.1054, 23.3308, 97.7351



11.5465, 4.6792, 60.6157



11.6569, 12.4041, 15.0235



10.4365, 9.5195, 38.4799



0.6629, 0.6909, 2.1780

Previews

White Background



This preview shows how the XYZ color 31.0459, 23.0581, 2.8144 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 31.0459, 23.0581, 2.8144 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 31.0459, 23.0581, 2.8144

Background



This preview shows how black text looks on a background with the XYZ color 31.0459, 23.0581, 2.8144.



This preview shows how white text looks on a background with the XYZ color 31.0459, 23.0581,

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

31.0459, 23.0581, 2.8144

Protanopia

20.8995, 23.2116, 3.9949

Deuteranopia

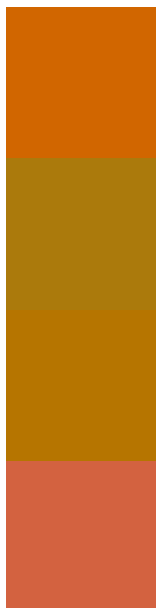
23.3972, 23.1372, 3.2328



Tritanopia

33.5925, 23.1211, 15.0042

Trichromacy



Original Color

31.0459, 23.0581, 2.8144

Protanomaly

23.8205, 22.6035, 3.4553

Deuteranomaly

25.6527, 22.6677, 3.0233

Tritanomaly

32.1571, 22.9544, 7.5863

Monochromacy



Original Color

31.0459, 23.0581, 2.8144

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.8323, 19.6816, 9.9087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0459, 23.0581, 2.8144 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(209, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 102, 0)  
}
```

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(209, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.0459, 23.0581, 2.8144 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(209, 102, 0) }
```


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

```
.border{ border-color:rgb(209, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(209, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0459, 23.0581, 2.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 102, 0) }
```

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

```
.background{ background-color: rgb(209,  
102, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor