

Converting Colors

XYZ(30.0634, 23.0525, 0.5039)

Have a look what the booklet for
XYZ(30.0634, 23.0525, 0.5039)
contains.

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Color

**XYZ(30.5052, 23.2250,
2.8751)**

Conversions

Conversions Part 1

Format	Color
Hex	CE6900
RGB	206, 105, 0
RGB Percent	81%, 41%, 0%
CMY	0.1922, 0.5882, 1.0000
CMYK	0.00, 0.49, 1.00, 0.19
HSL	31°, 100%, 40%
HSV	31°, 100%, 81%
XYZ	30.5052, 23.2250, 2.8751
YIQ	123.2290, 93.9010, -11.2430

Conversions

Conversions Part 2

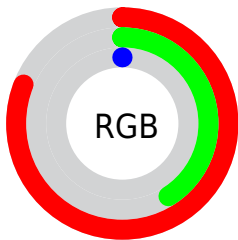
Format	Color
R_{YB}	198, 206, 0
Decimal	13527296
CIE _{Lab}	55.30, 34.99, 63.38
CIE _{LCh}	55, 72.398, 61.098
Yxy	23.2250, 0.5389, 0.4103
Android (android.graphics.Color)	4291717376 (0xFFCE6900)
YUV	123.2290, -60.7519, 72.5902
Hunter-Lab	48.1923, 28.6519, 30.1975

Details

The XYZ color **30.5052, 23.2250, 2.8751** 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 **15.7942, 13.7635, 60.2162**, and the grayscale version is **19.0763, 20.0697, 21.8559**.

A 20% lighter version of the original color is **54.4210, 46.0954, 11.0300**, and **13.0432, 8.7521, 1.0019** is the 20% darker color. If you saturate the color by 10%, you get **30.5053, 23.2255, 2.8752**, and if you desaturate by 10%, it is **31.7280, 25.4602, 3.9326**.

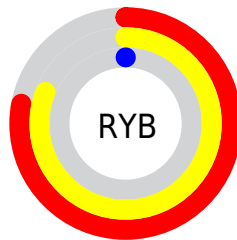
Distribution



Red (81%)

Green (41%)

Blue (0%)



Red (78%)

Yellow (81%)

Blue (0%)

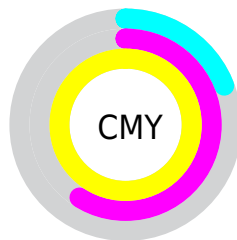


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5052, 23.2250, 2.8751 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 30.5052, 23.2250, 2.8751 by changing the saturation by 10% instead.

 30.5052, 23.2250,
2.8751


 30.5052, 23.2250,
2.8751


296.1200,
268.8785, 134.7536


 20.3723, 14.7597,
1.0312


 59.8414, 48.7625,
11.3187


 12.7758, 8.6509,
0.0000


 79.7754, 66.6035,
18.7554


 7.3503, 4.5142,
0.0000


 103.7072, 88.3386,
28.8935

 3.7304, 1.9652,
0.0000

 132.0021,
114.3522, 42.1516

 1.5508, 0.5871,
0.0000

 165.0255,
145.0285, 58.9480


 0.3600, 0.0000,
0.0000


 203.1427,


 0.0000, 0.0000,


180.7521, 79.7015


0.0000


 246.7191,
221.9073, 104.8305


 30.5052, 23.2250,
2.8751


 30.5052, 23.2250,
2.8751


 30.5053, 23.2255,
2.8752

 31.7280, 25.4602,
3.9326

 33.2170, 28.0027,
5.7712

 35.0243, 30.8808,
8.6443

 37.1794, 34.1120,
12.6888

 39.7075, 37.7122,
18.0201

■ 42.6311, 41.6958,
24.7399

■ 45.9706, 46.0764,
32.9392

■ 49.7449, 50.8664,
42.7015

■ 53.9714, 56.0779,
54.1038

Harmonies

Analogous

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



38.3081, 23.2250, 8.5197



30.5052, 23.2250, 2.8751



21.7771, 23.2250, 1.7583

Triad

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



30.5052, 23.2250, 2.8751



9.8627, 23.2250, 26.1539



31.1521, 23.2250, 86.0780

Complementary

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



30.5052, 23.2250, 2.8751



15.7942, 13.7635, 60.2162

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.



22.3750, 23.2250, 101.4189



30.5052, 23.2250, 2.8751



11.2300, 23.2250, 56.0943

Square

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



30.5052, 23.2250, 2.8751



11.0406, 23.2250, 9.2580



15.3609, 23.2250, 88.0298



38.7414, 23.2250, 53.6098

Rectangle

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



30.5052, 23.2250, 2.8751



16.9220, 23.2250, 2.3132



15.3609, 23.2250, 88.0298



28.1796, 23.2250, 94.0651

Sweetspot

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



30.5057, 23.2263, 2.8755



74.2666, 74.3753, 52.8248



27.9018, 14.1012, 14.0840



15.3861, 15.2561, 10.0369



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.



30.5057, 23.2263, 2.8755



49.2200, 37.2200, 4.5900



47.5246, 57.2640, 8.5485



11.6771, 12.1432, 11.8079



18.8818, 14.4965, 1.8029



1.0500, 0.8996, 0.1183

Inverse Universe

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



15.7942, 13.7635, 60.2162



25.3861, 21.8922, 97.4954



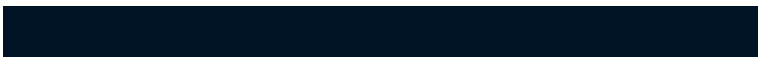
11.1407, 4.4564, 58.6650



11.0483, 11.7370, 14.2535



9.8220, 8.6680, 37.1117



0.5826, 0.5990, 1.9398

Previews

White Background



This preview shows how the XYZ color 30.5052, 23.2250, 2.8751 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 30.5052, 23.2250, 2.8751 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 30.5052, 23.2250, 2.8751

Background



This preview shows how black text looks on a background with the XYZ color 30.5052, 23.2250, 2.8751.



This preview shows how white text looks on a background with the XYZ color 30.5052, 23.2250,

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

30.5052, 23.2250, 2.8751

Protanopia

21.0744, 23.3028, 3.9594

Deuteranopia

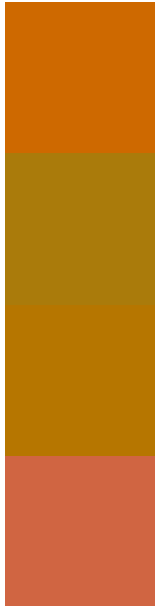
23.6093, 23.2465, 3.2427



Tritanopia

33.1609, 23.2902, 15.8444

Trichromacy



Original Color

30.5052, 23.2250, 2.8751

Protanomaly

23.7209, 22.7361, 3.4549

Deuteranomaly

25.7698, 22.9020, 3.0623

Tritanomaly

31.6495, 23.1106, 7.9469

Monochromacy



Original Color

30.5052, 23.2250, 2.8751

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.7574, 19.8131, 9.9380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5052, 23.2250, 2.8751 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(206, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 105, 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(206, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.5052, 23.2250, 2.8751 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(206, 105, 0) }
```


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

```
.border{ border-color:rgb(206, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5052, 23.2250, 2.8751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 105, 0) }
```

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

```
.background{ background-color: rgb(206,  
105, 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](#).

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