

Converting Colors

XYZ(30.2644, 23.5625, 2.9529)

Have a look what the booklet for
XYZ(30.2644, 23.5625, 2.9529)
contains.

XYZ(30.2644, 23.5625, 2.9529)	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(30.2644, 23.5625,
2.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6C00
RGB	204, 108, 0
RGB Percent	80%, 42%, 0%
CMY	0.2000, 0.5764, 1.0000
CMYK	0.00, 0.47, 1.00, 0.20
HSL	32°, 100%, 40%
HSV	32°, 100%, 80%
XYZ	30.2644, 23.5625, 2.9529
YIQ	124.3920, 91.8840, -13.2360

Conversions

Conversions Part 2

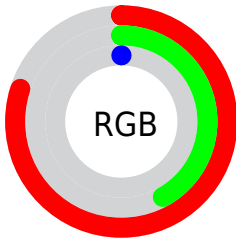
Format	Color
RYB	181, 204, 0
Decimal	13396992
CIELab	55.65, 32.61, 63.44
CIElCh	56, 71.329, 62.799
Yxy	23.5625, 0.5330, 0.4150
Android (android.graphics.Color)	4291587072 (0xFFCC6C00)
YUV	124.3920, -61.3253, 69.8162
Hunter-Lab	48.5412, 26.3438, 30.3721

Details

The XYZ color **30.2644, 23.5625, 2.9529** 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 **15.0819, 12.7252, 58.7876**, and the grayscale version is **19.4673, 20.4811, 22.3039**.

A 20% lighter version of the original color is **54.7942, 46.7950, 11.2986**, and **12.8917, 8.9676, 1.0514** is the 20% darker color. If you saturate the color by 10%, you get **30.2646, 23.5631, 2.9530**, and if you desaturate by 10%, it is **31.4637, 25.7535, 3.9936**.

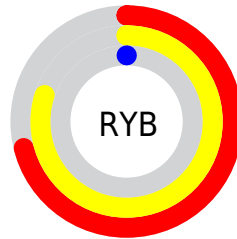
Distribution



Red (80%)

Green (42%)

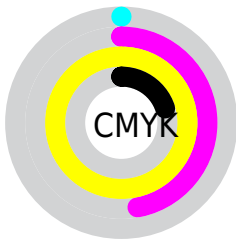
Blue (0%)



Red (71%)

Yellow (80%)

Blue (0%)

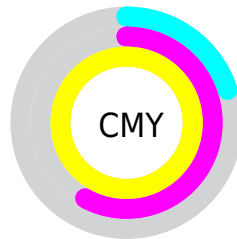


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2644, 23.5625, 2.9529 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 30.2644, 23.5625, 2.9529 by changing the saturation by 10% instead.


 30.2644, 23.5625,
2.9529


 30.2644, 23.5625,
2.9529


295.0227,
270.6011, 135.7585


 20.1884, 15.0094,
1.0706


 59.4638, 49.3153,
11.5120


 12.6411, 8.8260,
0.0000


 79.3180, 67.2838,
19.0259

 7.2572, 4.6279,
0.0000


 103.1623, 89.1596,
29.2541

 3.6712, 2.0306,
0.0000

 131.3620,
115.3270, 42.6151

 1.5179, 0.6252,
0.0000

 164.2826,
146.1705, 59.5276


 0.3379, 0.0000,
0.0000


 202.2893,


 0.0000, 0.0000,


182.0744, 80.4099


0.0000


 245.7475,
223.4231, 105.6807


 30.2644, 23.5625,
2.9529


 30.2644, 23.5625,
2.9529


 30.2646, 23.5631,
2.9530

 31.4637, 25.7535,
3.9936

 32.9145, 28.2279,
5.7939

 34.6675, 31.0124,
8.6029

 36.7511, 34.1233,
12.5537

 39.1894, 37.5751,
17.7591

■ 42.0040, 41.3811,
24.3180

■ 45.2145, 45.5538,
32.3192

■ 48.8387, 50.1046,
41.8441

■ 52.8936, 55.0445,
52.9678

Harmonies

Analogous

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



38.1361, 23.5625, 8.3264



30.2644, 23.5625, 2.9529



21.6463, 23.5625, 1.9454

Triad

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



30.2644, 23.5625, 2.9529



10.1966, 23.5625, 27.8872



31.8970, 23.5625, 84.0793

Complementary

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



30.2644, 23.5625, 2.9529



15.0819, 12.7252, 58.7876

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.



23.1617, 23.5625, 100.5683



30.2644, 23.5625, 2.9529



11.7199, 23.5625, 58.0448

Square

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



30.2644, 23.5625, 2.9529



11.2347, 23.5625, 10.2305



16.0244, 23.5625, 88.9584



39.2268, 23.5625, 51.8054

Rectangle

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



30.2644, 23.5625, 2.9529



16.9044, 23.5625, 2.6245



16.0244, 23.5625, 88.9584



28.9628, 23.5625, 92.3051

Sweetspot

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



30.2649, 23.5638, 2.9533



74.6581, 75.1583, 52.9553



27.1349, 13.7307, 12.9252



15.4787, 15.4413, 10.0677



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.



30.2649, 23.5638, 2.9533



49.9047, 38.5893, 4.8182



45.5725, 55.5474, 8.3200



11.6957, 12.1804, 11.8141



19.1430, 15.0190, 1.8900



1.0632, 0.9260, 0.1227

Inverse Universe

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



15.0819, 12.7252, 58.7876



24.7659, 20.6518, 97.2886



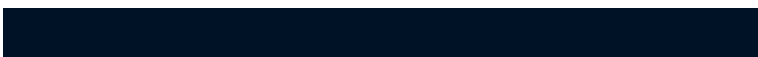
10.9417, 4.3817, 57.3953



11.0298, 11.6999, 14.2474



9.5842, 8.1923, 37.0324



0.5702, 0.5741, 1.9357

Previews

White Background



This preview shows how the XYZ color 30.2644, 23.5625, 2.9529 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 30.2644, 23.5625, 2.9529 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 30.2644, 23.5625, 2.9529

Background



This preview shows how black text looks on a background with the XYZ color 30.2644, 23.5625, 2.9529.



This preview shows how white text looks on a background with the XYZ color 30.2644, 23.5625,

2.9529.

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

30.2644, 23.5625, 2.9529

Protanopia

21.3888, 23.6700, 3.9718

Deuteranopia

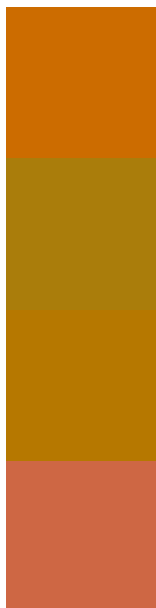
23.9516, 23.6138, 3.2955



Tritanopia

32.9431, 23.4413, 16.6982

Trichromacy



Original Color

30.2644, 23.5625, 2.9529

Protanomaly

23.9716, 23.2374, 3.5384

Deuteranomaly

26.0079, 23.3780, 3.1416

Tritanomaly

31.3472, 23.2397, 8.3024

Monochromacy



Original Color

30.2644, 23.5625, 2.9529

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.0266, 20.2937, 10.2060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2644, 23.5625, 2.9529 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(204, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 108, 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(204, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2644, 23.5625, 2.9529 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(204, 108, 0) }
```


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

```
.border{ border-color:rgb(204, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2644, 23.5625, 2.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 108, 0) }
```

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

```
.background{ background-color: rgb(204,  
108, 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