

Converting Colors

XYZ(30.8918, 24.0251, 5.0594)

Have a look what the booklet for
XYZ(30.8918, 24.0251, 5.0594)
contains.

XYZ(30.7535, 23.9278, 5.0051)	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(30.7535, 23.9278,
5.0051)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6D28
RGB	204, 109, 40
RGB Percent	80%, 43%, 16%
CMY	0.2000, 0.5725, 0.8431
CMYK	0.00, 0.47, 0.80, 0.20
HSL	25°, 67%, 48%
HSV	25°, 80%, 80%
XYZ	30.7535, 23.9278, 5.0051
YIQ	129.5390, 78.7690, -1.3190

Conversions

Conversions Part 2

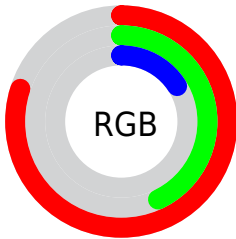
Format	Color
R_{YB}	204, 159, 40
Decimal	13397288
CIE Lab	56.02, 32.85, 52.52
CIE LCh	56, 61.946, 57.977
Yxy	23.9278, 0.5153, 0.4009
Android (android.graphics.Color)	4291587368 (0xFFCC6D28)
YUV	129.5390, -44.1427, 65.3023
Hunter-Lab	48.9161, 26.6198, 28.1747

Details

The XYZ color **30.7535, 23.9278, 5.0051** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.4375, 22.1375, 60.3222**, and the grayscale version is **21.1873, 22.2907, 24.2746**.

A 20% lighter version of the original color is **56.0487, 47.8560, 16.1806**, and **12.8917, 8.9676, 1.0514** is the 20% darker color. If you saturate the color by 10%, you get **29.3167, 21.4709, 3.2425**, and if you desaturate by 10%, it is **32.5438, 26.7994, 7.7885**.

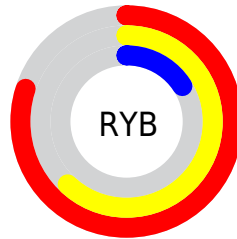
Distribution



Red (80%)

Green (43%)

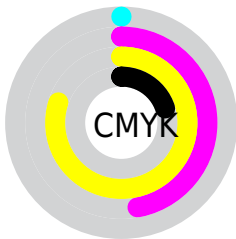
Blue (16%)



Red (80%)

Yellow (62%)

Blue (16%)

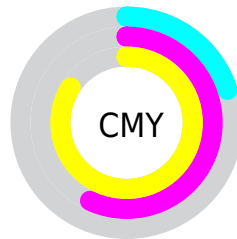


Cyan (0%)

Magenta (47%)

Yellow (80%)

Black (20%)



Cyan (20%)


Magenta (57%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7535, 23.9278, 5.0051 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 30.7535, 23.9278, 5.0051 by changing the saturation by 10% instead.


 30.7535, 23.9278,
5.0051


 30.7535, 23.9278,
5.0051


297.2483,
272.4553, 158.8161


 20.5621, 15.2801,
2.1915


 60.2303, 49.9124,
16.2685


 12.9149, 9.0162,
0.6694


 80.2464, 68.0180,
25.5553


 7.4466, 4.7517,
0.0000


 104.2681, 90.0450,
37.8369

 3.7917, 2.1023,
0.0000

 132.6607,
116.3779, 53.5319

 1.5850, 0.6659,
0.0000

 165.7897,
147.4009, 73.0588

 0.3826, 0.0000,
0.0000

 204.0204,

 0.0000, 0.0000,

183.4986, 96.8361

0.0000

247.7182,
225.0552, 125.2823

■ 30.7535, 23.9278,
5.0051

■ 30.7535, 23.9278,
5.0051

■ 29.3167, 21.4709,
3.2425

■ 32.5438, 26.7994,
7.7885

■ 28.2164, 19.4666,
2.2703

■ 34.7177, 30.1048,
11.7267

■ 37.3029, 33.8656,
16.9345

■ 40.3241, 38.1008,
23.5121

■ 43.8032, 42.8282,
31.5499

■ 47.7611, 48.0642,
41.1300

■ 52.2167, 53.8248,
52.3287

■ 57.1883, 60.1249,
65.2171

■ 62.6929, 66.9788,
79.8620

Harmonies

Analogous

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



37.0109, 23.9278, 11.7077



30.7535, 23.9278, 5.0051



23.2267, 23.9278, 3.2842

Triad

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



30.7535, 23.9278, 5.0051



11.6688, 23.9278, 24.7008



29.7467, 23.9278, 77.8924

Complementary

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



30.7535, 23.9278, 5.0051



20.4375, 22.1375, 60.3222

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.



22.2654, 23.9278, 87.6831



30.7535, 23.9278, 5.0051



12.7128, 23.9278, 48.9616

Square

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



30.7535, 23.9278, 5.0051



13.0418, 23.9278, 10.3639



16.2598, 23.9278, 75.0703



36.3499, 23.9278, 52.6831

Rectangle

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



30.7535, 23.9278, 5.0051



18.7939, 23.9278, 3.7797



16.2598, 23.9278, 75.0703



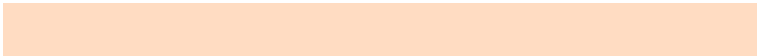
27.2091, 23.9278, 83.5298

Sweetspot

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



30.7540, 23.9291, 5.0055



76.4306, 76.0969, 61.5811



30.0809, 16.1231, 24.6954



15.8575, 15.6228, 11.9702



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.



30.7540, 23.9291, 5.0055



47.2236, 33.1379, 4.2002



43.7704, 49.9619, 9.3443



11.5938, 11.9765, 11.7801



17.8475, 12.4280, 1.4582



0.9953, 0.7902, 0.1001

Inverse Universe

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



20.4375, 22.1375, 60.3222



29.4055, 29.7414, 98.7986



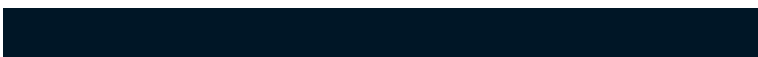
13.0780, 7.4183, 57.8691



11.1324, 11.9052, 14.2816



11.0437, 11.1113, 37.5189



0.6438, 0.7214, 1.9602

Previews

White Background



This preview shows how the XYZ color 30.7535, 23.9278, 5.0051 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 30.7535, 23.9278, 5.0051 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 30.7535, 23.9278, 5.0051

Background



This preview shows how black text looks on a background with the XYZ color 30.7535, 23.9278, 5.0051.



This preview shows how white text looks on a background with the XYZ color 30.7535, 23.9278,

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

30.7535, 23.9278, 5.0051

Protanopia

21.9396, 24.1125, 6.1872

Deuteranopia

24.5712, 24.0942, 4.7944



Tritanopia

33.2438, 23.8723, 17.3237

Trichromacy



Original Color

30.7535, 23.9278, 5.0051

Protanomaly

24.4930, 23.6496, 5.6568

Deuteranomaly

26.4472, 23.7472, 4.8588

Tritanomaly

32.1054, 23.8651, 11.3018

Monochromacy



Original Color

30.7535, 23.9278, 5.0051

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.0218, 21.9502, 14.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7535, 23.9278, 5.0051 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, 109, 40)` looks like.

```
.text, #text, p{  
    color:rgb(204, 109, 40)  
}
```

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, 109, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 109, 40) }
```

Border

The CSS property to change the border of an element to XYZ 30.7535, 23.9278, 5.0051 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, 109, 40) }
```


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

```
.border{ border-color:rgb(204, 109, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 109, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 109, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 109, 40);  
box-shadow:4px 4px 4px 4px rgb(204, 109,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7535, 23.9278, 5.0051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 109, 40) }
```

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

```
.background{ background-color: rgb(204,  
109, 40) }
```

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