

Converting Colors

XYZ(30.3059, 24.6280, 3.2278)

Have a look what the booklet for
XYZ(30.3059, 24.6280, 3.2278)
contains.

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Color

**XYZ(30.3854, 24.5956,
3.2034)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7202
RGB	202, 114, 2
RGB Percent	79%, 45%, 1%
CMY	0.2078, 0.5529, 0.9921
CMYK	0.00, 0.44, 0.99, 0.21
HSL	34°, 98%, 40%
HSV	34°, 99%, 79%
XYZ	30.3854, 24.5956, 3.2034
YIQ	127.5440, 88.4000, -16.1760

Conversions

Conversions Part 2

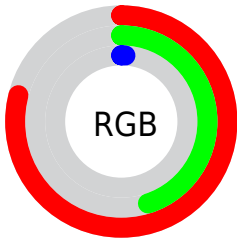
Format	Color
RYB	159, 202, 2
Decimal	13267458
CIELab	56.68, 28.61, 63.57
CIELCh	57, 69.709, 65.768
Yxy	24.5956, 0.5222, 0.4227
Android (android.graphics.Color)	4291457538 (0xFFCA7202)
YUV	127.5440, -61.8932, 65.2979
Hunter-Lab	49.5940, 22.5746, 30.8861

Details

The XYZ color **30.3854, 24.5956, 3.2034** 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 **14.3420, 11.5897, 57.3577**, and the grayscale version is **20.5468, 21.6169, 23.5408**.

A 20% lighter version of the original color is **55.9196, 48.9498, 11.9698**, and **12.8748, 9.4433, 1.1442** is the 20% darker color. If you saturate the color by 10%, you get **30.2757, 24.3941, 3.1128**, and if you desaturate by 10%, it is **31.5736, 26.7548, 4.2697**.

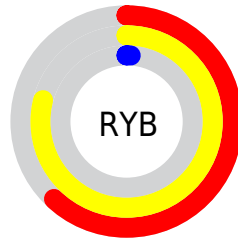
Distribution



Red (79%)

Green (45%)

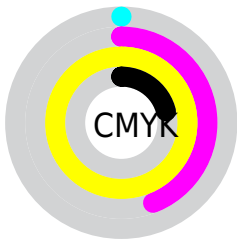
Blue (1%)



Red (62%)

Yellow (79%)

Blue (1%)

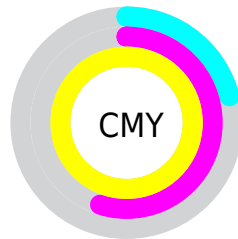


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (21%)



Cyan (21%)


Magenta (55%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3854, 24.5956, 3.2034 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 30.3854, 24.5956, 3.2034 by changing the saturation by 10% instead.


 30.3854, 24.5956,
3.2034


 30.3854, 24.5956,
3.2034


295.5745,
275.8180, 138.9105


 20.2808, 15.7760,
1.1994

 59.6536, 51.0004,
12.1263

 12.7088, 9.3658,
0.0000


 79.5479, 69.3544,
19.8824


 7.3039, 4.9805,
0.0000


 103.4362, 91.6554,
30.3928

 3.7009, 2.2358,
0.0000

 131.6838,
118.2877, 44.0763

 1.5344, 0.7394,
0.0000

 164.6561,
149.6357, 61.3512


 0.3490, 0.0000,
0.0000


 202.7184,


 0.0000, 0.0000,


186.0838, 82.6362


0.0000


 246.2361,
228.0164, 108.3498


 30.3854, 24.5956,
3.2034


 30.3854, 24.5956,
3.2034


 30.2757, 24.3941,
3.1128

 31.5736, 26.7548,
4.2697

 33.0039, 29.1699,
6.1199

 34.7194, 31.8633,
8.9657

 36.7466, 34.8496,
12.9347

 39.1083, 38.1416,
18.1349

■ 41.8247, 41.7510,
24.6615

■ 44.9143, 45.6890,
32.6005

■ 48.3938, 49.9656,
42.0302

■ 52.2792, 54.5905,
53.0233

Harmonies

Analogous

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



38.4636, 24.5956, 8.2305



30.3854, 24.5956, 3.2034



21.8439, 24.5956, 2.3841

Triad

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



30.3854, 24.5956, 3.2034



11.0344, 24.5956, 31.5276



33.7367, 24.5956, 81.8765

Complementary

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



30.3854, 24.5956, 3.2034



14.3420, 11.5897, 57.3577

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.



24.9810, 24.5956, 100.4008



30.3854, 24.5956, 3.2034



12.8636, 24.5956, 62.3188

Square

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



30.3854, 24.5956, 3.2034



11.8389, 24.5956, 12.3060



17.5393, 24.5956, 91.7068



40.6910, 24.5956, 49.6317

Rectangle

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



30.3854, 24.5956, 3.2034



17.2283, 24.5956, 3.3278



17.5393, 24.5956, 91.7068



30.8390, 24.5956, 90.5618

Sweetspot

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



30.3859, 24.5969, 3.2038



75.2728, 76.3877, 53.1602



26.3107, 13.3728, 11.3207



15.6244, 15.7327, 10.1163



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.



30.3859, 24.5969, 3.2038



51.0331, 40.8461, 5.1944



42.8695, 53.4515, 8.1154



11.7247, 12.2383, 11.8237



19.5723, 15.8776, 2.0331



1.0845, 0.9688, 0.1298

Inverse Universe

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



14.3420, 11.5897, 57.3577



23.8658, 18.8516, 96.9886



10.8341, 4.3860, 56.1522



11.0011, 11.6427, 14.2378



9.2378, 7.4996, 36.9169



0.5517, 0.5372, 1.9295

Previews

White Background



This preview shows how the XYZ color 30.3854, 24.5956, 3.2034 looks on a white background.

Color Contrast Check

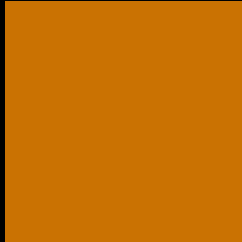
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3854, 24.5956, 3.2034 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 30.3854, 24.5956, 3.2034

Background



This preview shows how black text looks on a background with the XYZ color 30.3854, 24.5956, 3.2034.



This preview shows how white text looks on a background with the XYZ color 30.3854, 24.5956,

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

30.3854, 24.5956, 3.2034

Protanopia

22.3656, 24.7988, 4.0981

Deuteranopia

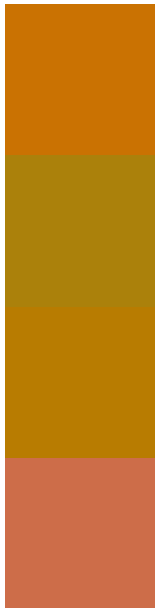
25.2162, 24.8495, 3.4674



Tritanopia

33.6449, 24.6448, 18.9032

Trichromacy



Original Color

30.3854, 24.5956, 3.2034

Protanomaly

24.7052, 24.3826, 3.7208

Deuteranomaly

26.9803, 24.6078, 3.3565

Tritanomaly

31.8481, 24.3975, 9.3339

Monochromacy



Original Color

30.3854, 24.5956, 3.2034

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.1235, 21.7437, 11.0136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3854, 24.5956, 3.2034 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(202, 114, 2)` looks like.

```
.text, #text, p{  
    color:rgb(202, 114, 2)  
}
```

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(202, 114, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 114, 2) }
```

Border

The CSS property to change the border of an element to XYZ 30.3854, 24.5956, 3.2034 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(202, 114, 2) }
```


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

```
.border{ border-color:rgb(202, 114, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 114, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 114, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 114, 2);  
box-shadow:4px 4px 4px 4px rgb(202, 114,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3854, 24.5956, 3.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 114, 2) }
```

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

```
.background{ background-color: rgb(202,  
114, 2) }
```

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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