

Converting Colors

XYZ(30.9210, 24.8757, 3.1718)

Have a look what the booklet for
XYZ(30.9210, 24.8757, 3.1718)
contains.

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Color

**XYZ(30.9192, 24.8720,
3.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7200
RGB	204, 114, 0
RGB Percent	80%, 45%, 0%
CMY	0.2000, 0.5529, 1.0000
CMYK	0.00, 0.44, 1.00, 0.20
HSL	34°, 100%, 40%
HSV	34°, 100%, 80%
XYZ	30.9192, 24.8720, 3.1712
YIQ	127.9140, 90.2340, -16.3740

Conversions

Conversions Part 2

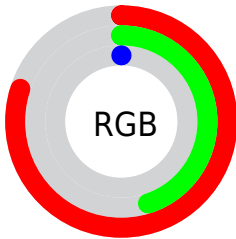
Format	Color
R_{YB}	161, 204, 0
Decimal	13398528
CIE _{Lab}	56.95, 29.43, 64.24
CIE _{LCh}	57, 70.664, 65.385
Yxy	24.8720, 0.5244, 0.4218
Android (android.graphics.Color)	4291588608 (0xFFCC7200)
YUV	127.9140, -63.0616, 66.7274
Hunter-Lab	49.8718, 23.3895, 31.1402

Details

The XYZ color **30.9192, 24.8720, 3.1712** 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 **14.5555, 11.6724, 58.6122**, and the grayscale version is **20.6789, 21.7559, 23.6921**.

A 20% lighter version of the original color is **56.0718, 49.3027, 11.8713**, and **13.2180, 9.6202, 1.1602** is the 20% darker color. If you saturate the color by 10%, you get **30.9193, 24.8724, 3.1712**, and if you desaturate by 10%, it is **32.1153, 27.0566, 4.2109**.

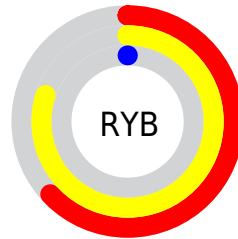
Distribution



Red (80%)

Green (45%)

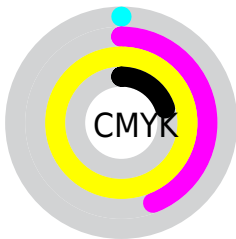
Blue (0%)



Red (63%)

Yellow (80%)

Blue (0%)

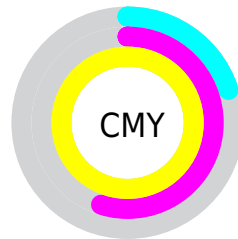


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9192, 24.8720, 3.1712 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 30.9192, 24.8720, 3.1712 by changing the saturation by 10% instead.

■ 30.9192, 24.8720,
3.1712

■ 30.9192, 24.8720,
3.1712

297.9994,
277.1999, 138.5121

■ 20.6889, 15.9817,
1.1827

■ 60.4895, 51.4495,
12.0480

■ 13.0079, 9.5112,
0.0000

■ 80.5603, 69.9055,
19.7735

■ 7.5110, 5.0761,
0.0000

■ 104.6418, 92.3189,
30.2483

■ 3.8329, 2.2920,
0.0000

■ 133.0995,
119.0740, 43.8910

■ 1.6080, 0.7695,
0.0000

■ 166.2988,
150.5552, 61.1202

■ 0.3976, 0.0000,
0.0000


■ 204.6050,


■ 0.0000, 0.0000,


187.1471, 82.3545


0.0000


 248.3834,
229.2338, 108.0122


 30.9192, 24.8720,
3.1712


 30.9192, 24.8720,
3.1712


 30.9193, 24.8724,
3.1712

 32.1153, 27.0566,
4.2109

 33.5506, 29.5001,
6.0061

 35.2753, 32.2278,
8.8058

 37.3170, 35.2548,
12.7428

 39.6993, 38.5947,
17.9297

■ 42.4434, 42.2595,
24.4652

■ 45.5681, 46.2606,
32.4381

■ 49.0910, 50.6086,
41.9294

■ 53.0283, 55.3134,
53.0141

Harmonies

Analogous

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



39.1598, 24.8720, 8.3165



30.9192, 24.8720, 3.1712



22.1757, 24.8720, 2.3173

Triad

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



30.9192, 24.8720, 3.1712



11.0580, 24.8720, 31.5949



34.1222, 24.8720, 83.9418

Complementary

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



30.9192, 24.8720, 3.1712



14.5555, 11.6724, 58.6122

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.



25.1676, 24.8720, 102.6816



30.9192, 24.8720, 3.1712



12.8816, 24.8720, 63.0441

Square

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



30.9192, 24.8720, 3.1712



11.9093, 24.8720, 12.1715



17.6037, 24.8720, 93.3816



41.2914, 24.8720, 50.8890

Rectangle

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



30.9192, 24.8720, 3.1712



17.4447, 24.8720, 3.2337



17.6037, 24.8720, 93.3816



31.1520, 24.8720, 92.7911

Sweetspot

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



30.9197, 24.8733, 3.1716



75.2490, 76.3400, 53.1522



26.8250, 13.6068, 11.2930



15.6187, 15.7214, 10.1144



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.



30.9197, 24.8733, 3.1716



50.9880, 40.7561, 5.1793



43.7896, 54.6284, 8.2366



11.7236, 12.2361, 11.8233



19.5552, 15.8434, 2.0274



1.0837, 0.9671, 0.1295

Inverse Universe

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



14.5555, 11.6724, 58.6122



23.8991, 18.9183, 96.9997



11.0269, 4.4257, 57.3994



11.0022, 11.6449, 14.2382



9.2506, 7.5253, 36.9212



0.5524, 0.5386, 1.9298

Previews

White Background



This preview shows how the XYZ color 30.9192, 24.8720, 3.1712 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 30.9192, 24.8720, 3.1712 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 30.9192, 24.8720, 3.1712

Background



This preview shows how black text looks on a background with the XYZ color 30.9192, 24.8720, 3.1712.



This preview shows how white text looks on a background with the XYZ color 30.9192, 24.8720,

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

30.9192, 24.8720, 3.1712

Protanopia

22.6996, 25.1829, 4.1546

Deuteranopia

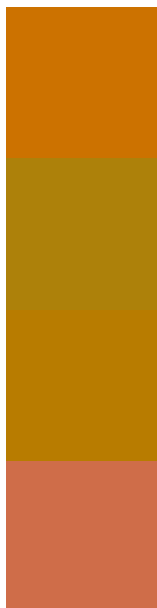
25.2162, 24.8495, 3.4674



Tritanopia

34.2037, 24.9329, 18.9294

Trichromacy



Original Color

30.9192, 24.8720, 3.1712

Protanomaly

25.1386, 24.6067, 3.7118

Deuteranomaly

26.9748, 24.6057, 3.3276

Tritanomaly

32.4034, 24.6837, 9.3599

Monochromacy



Original Color

30.9192, 24.8720, 3.1712

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.2785, 21.8279, 10.8236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9192, 24.8720, 3.1712 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, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 114, 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, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.9192, 24.8720, 3.1712 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, 114, 0) }
```


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

```
.border{ border-color:rgb(204, 114, 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, 114, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9192, 24.8720, 3.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 114, 0) }
```

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

```
.background{ background-color: rgb(204,  
114, 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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