

Converting Colors

XYZ(30.5620, 24.1772, 5.6408)

Have a look what the booklet for
XYZ(30.5620, 24.1772, 5.6408)
contains.

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Color

**XYZ(30.5347, 24.1227,
5.6316)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6F2E
RGB	202, 111, 46
RGB Percent	79%, 44%, 18%
CMY	0.2078, 0.5647, 0.8196
CMYK	0.00, 0.45, 0.77, 0.21
HSL	25°, 63%, 49%
HSV	25°, 77%, 79%
XYZ	30.5347, 24.1227, 5.6316
YIQ	130.7990, 75.1010, -0.9230

Conversions

Conversions Part 2

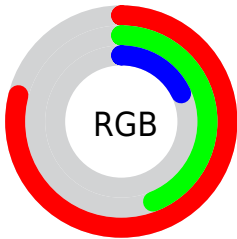
Format	Color
R _Y B	202, 157, 46
Decimal	13266734
CIE Lab	56.21, 31.19, 49.98
CIE LCh	56, 58.918, 58.035
Yxy	24.1227, 0.5065, 0.4001
Android (android.graphics.Color)	4291456814 (0xFFCA6F2E)
YUV	130.7990, -41.8059, 62.4433
Hunter-Lab	49.1149, 25.0224, 27.5821

Details

The XYZ color **30.5347, 24.1227, 5.6316** 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 **20.7324, 22.7352, 59.1723**, and the grayscale version is **21.6280, 22.7544, 24.7795**.

A 20% lighter version of the original color is **56.6268, 48.6554, 17.4732**, and **12.8780, 9.1960, 1.0963** is the 20% darker color. If you saturate the color by 10%, you get **29.0242, 21.5963, 3.6045**, and if you desaturate by 10%, it is **32.4031, 27.0658, 8.7020**.

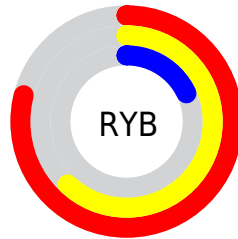
Distribution



Red (79%)

Green (44%)

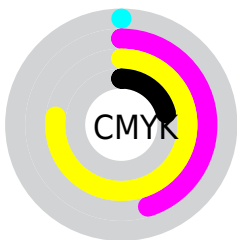
Blue (18%)



Red (79%)

Yellow (62%)

Blue (18%)

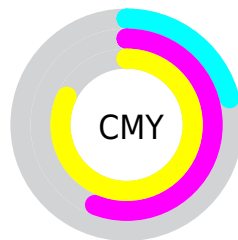


Cyan (0%)

Magenta (45%)

Yellow (77%)

Black (21%)



Cyan (21%)

Magenta (56%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5347, 24.1227, 5.6316 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 30.5347, 24.1227, 5.6316 by changing the saturation by 10% instead.

30.5347, 24.1227,
5.6316

30.5347, 24.1227,
5.6316

296.2542,
273.4402, 164.9269

20.3949, 15.4247,
2.5573

59.8876, 50.2304,
17.6256

12.7923, 9.1180,
0.8703

79.8314, 68.4088,
27.3823

7.3617, 4.8182,
0.0000

103.7739, 90.5161,
40.2036

3.7377, 2.1410,
0.0000

132.0804,
116.9367, 56.5079

1.5548, 0.6875,
0.0000

165.1164,
148.0551, 76.7139

0.3627, 0.0000,
0.0000

203.2471,

0.0000, 0.0000,

184.2555, 101.2400

0.0000

246.8379,
225.9224, 130.5049

■ 30.5347, 24.1227,
5.6316

■ 30.5347, 24.1227,
5.6316

■ 29.0242, 21.5963,
3.6045

■ 32.4031, 27.0658,
8.7020

■ 27.8316, 19.4568,
2.4495

■ 34.6572, 30.4435,
12.9389

■ 27.5407, 18.9240,
2.2011

■ 37.3234, 34.2768,
18.4494

■ 40.4250, 38.5840,
25.3280

■ 43.9832, 43.3823,
33.6601

■ 48.0177, 48.6879,
43.5241

■ 52.5470, 54.5161,
54.9928

■ 57.5885, 60.8816,
68.1341

■ 63.1587, 67.7983,
83.0122

Harmonies

Analogous

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



36.4475, 24.1227, 12.3486



30.5347, 24.1227, 5.6316



23.3773, 24.1227, 3.8453

Triad

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



30.5347, 24.1227, 5.6316



12.2218, 24.1227, 25.0075



29.6081, 24.1227, 74.8414

Complementary

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



30.5347, 24.1227, 5.6316



20.7324, 22.7352, 59.1723

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.



22.4843, 24.1227, 83.9369



30.5347, 24.1227, 5.6316



13.2487, 24.1227, 47.9789

Square

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



30.5347, 24.1227, 5.6316



13.5608, 24.1227, 11.0573



16.7026, 24.1227, 72.3007



35.8427, 24.1227, 51.3652

Rectangle

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



30.5347, 24.1227, 5.6316



19.1285, 24.1227, 4.3704



16.7026, 24.1227, 72.3007



27.1998, 24.1227, 80.0706

Sweetspot

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



30.5352, 24.1240, 5.6320



77.0446, 76.8633, 63.2091



29.8494, 16.3168, 25.2434



15.9741, 15.7677, 12.2810



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.



30.5352, 24.1240, 5.6320



47.6709, 33.9491, 4.6061



43.0476, 49.1487, 9.8028



11.5900, 11.9689, 11.7788



17.8058, 12.3446, 1.4443



0.9930, 0.7856, 0.0993

Inverse Universe

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



20.7324, 22.7352, 59.1723



30.2153, 31.1844, 99.0344



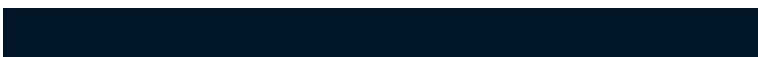
13.3515, 7.9733, 56.7120



11.1362, 11.9129, 14.2829



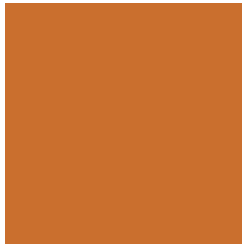
11.1054, 11.2347, 37.5395



0.6468, 0.7273, 1.9612

Previews

White Background



This preview shows how the XYZ color 30.5347, 24.1227, 5.6316 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 30.5347, 24.1227, 5.6316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

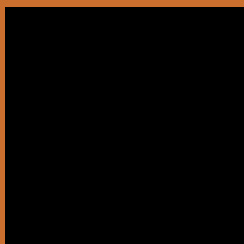
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5347, 24.1227, 5.6316

Background



This preview shows how black text looks on a background with the XYZ color 30.5347, 24.1227, 5.6316.



This preview shows how white text looks on a background with the XYZ color 30.5347, 24.1227,

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

30.5347, 24.1227, 5.6316

Protanopia

22.2093, 24.4447, 6.9159

Deuteranopia

24.6797, 24.1376, 5.3657



Tritanopia

33.0518, 24.0496, 18.2293

Trichromacy



Original Color

30.5347, 24.1227, 5.6316

Protanomaly

24.7427, 23.9551, 6.3373

Deuteranomaly

26.6689, 24.0313, 5.4234

Tritanomaly

31.9210, 24.0573, 12.1936

Monochromacy



Original Color

30.5347, 24.1227, 5.6316

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.4125, 22.5035, 15.1662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5347, 24.1227, 5.6316 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, 111, 46)` looks like.

```
.text, #text, p{  
    color:rgb(202, 111, 46)  
}
```

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, 111, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 111, 46) }
```

Border

The CSS property to change the border of an element to XYZ 30.5347, 24.1227, 5.6316 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, 111, 46) }
```


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

```
.border{ border-color:rgb(202, 111, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 111, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 111, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 111, 46);  
box-shadow:4px 4px 4px 4px rgb(202, 111,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5347, 24.1227, 5.6316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 111, 46) }
```

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

```
.background{ background-color: rgb(202,  
111, 46) }
```

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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