

Converting Colors

XYZ(30.1679, 22.8648, 6.6529)

Have a look what the booklet for
XYZ(30.1679, 22.8648, 6.6529)
contains.

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Color

**XYZ(30.0460, 22.7526,
6.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	CA6839
RGB	202, 104, 57
RGB Percent	79%, 41%, 22%
CMY	0.2078, 0.5921, 0.7765
CMYK	0.00, 0.49, 0.72, 0.21
HSL	19°, 58%, 51%
HSV	19°, 72%, 79%
XYZ	30.0460, 22.7526, 6.6790
YIQ	127.9440, 73.4950, 6.1590

Conversions

Conversions Part 2

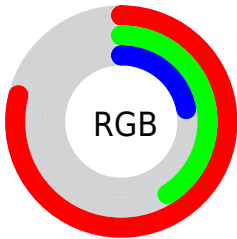
Format	Color
R_{YB}	202, 127, 57
Decimal	13264953
CIE Lab	54.82, 35.36, 43.22
CIE LCh	55, 55.844, 50.711
Yxy	22.7526, 0.5052, 0.3825
Android (android.graphics.Color)	4291455033 (0xFFCA6839)
YUV	127.9440, -34.9754, 64.9471
Hunter-Lab	47.6997, 28.9626, 25.0879

Details

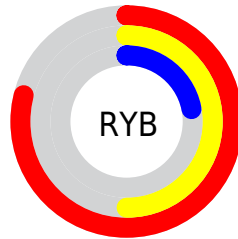
The XYZ color **30.0460, 22.7526, 6.6790** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.0685, 28.5751, 60.1239**, and the grayscale version is **20.5987, 21.6714, 23.6002**.

A 20% lighter version of the original color is **55.8985, 46.4145, 19.6484**, and **12.5183, 8.4066, 1.1926** is the 20% darker color. If you saturate the color by 10%, you get **28.3740, 20.0611, 4.1107**, and if you desaturate by 10%, it is **32.1419, 25.9716, 10.3775**.

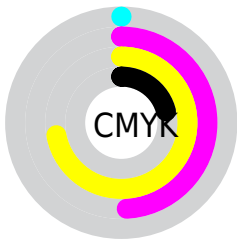
Distribution



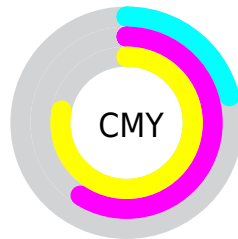
- Red (79%)
- Green (41%)
- Blue (22%)



- Red (79%)
- Yellow (50%)
- Blue (22%)



- Cyan (0%)
- Magenta (49%)
- Yellow (72%)
- Black (21%)





- Cyan (21%)
- Magenta (59%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0460, 22.7526, 6.6790 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 30.0460, 22.7526, 6.6790 by changing the saturation by 10% instead.


 30.0460, 22.7526,
6.6790


 30.0460, 22.7526,
6.6790


294.0248,
266.4517, 174.4976

 20.0218, 14.4109,
3.1868


 59.1210, 47.9868,
19.8262


 12.5192, 8.4070,
1.1908


 78.9026, 65.6481,
30.3183

 7.1730, 4.3565,
0.0000


 102.6672, 87.1847,
43.9808

 3.6178, 1.8749,
0.0000

 130.7803,
112.9811, 61.2322

 1.4883, 0.5332,
0.0000

 163.6073,
143.4216, 82.4910

 0.3178, 0.0000,
0.0000

 201.5134,

 0.0000, 0.0000,

178.8906, 108.1758

0.0000

244.8642,
219.7725, 138.7052

■ 30.0460, 22.7526,
6.6790

■ 30.0460, 22.7526,
6.6790

■ 28.3740, 20.0611,
4.1107

■ 32.1419, 25.9716,
10.3775

■ 27.0882, 17.8620,
2.5341

■ 34.6914, 29.7430,
15.3202

■ 26.2752, 16.3928,
1.7793

■ 37.7229, 34.0940,
21.6082

■ 41.2618, 39.0491,
29.3319

■ 45.3316, 44.6310,
38.5738

■ 49.9544, 50.8614,
49.4099

■ 55.1507, 57.7609,
61.9113

■ 60.9402, 65.3489,
76.1446

■ 67.3415, 73.6444,
92.1730

Harmonies

Analogous

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



34.7361, 22.7526, 14.5918



30.0460, 22.7526, 6.6790



23.5987, 22.7526, 4.0909

Triad

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



30.0460, 22.7526, 6.6790



11.8997, 22.7526, 19.6819



26.1007, 22.7526, 72.1121

Complementary

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



30.0460, 22.7526, 6.6790



24.0685, 28.5751, 60.1239

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.



19.7658, 22.7526, 75.7409



30.0460, 22.7526, 6.6790



12.3150, 22.7526, 38.8446

Square

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



30.0460, 22.7526, 6.6790



13.6787, 22.7526, 8.8809



14.9468, 22.7526, 61.4945



32.1741, 22.7526, 53.1350

Rectangle

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



30.0460, 22.7526, 6.6790



19.4939, 22.7526, 4.1351



14.9468, 22.7526, 61.4945



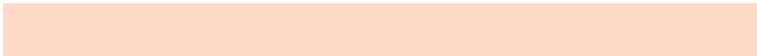
23.9074, 22.7526, 75.4328

Sweetspot

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



30.0465, 22.7538, 6.6794



76.3723, 75.0490, 64.4326



31.8280, 17.8860, 33.2644



15.9246, 15.4878, 12.8223



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.



30.0465, 22.7538, 6.6794



46.7899, 31.8575, 5.3282



40.5068, 43.6743, 10.1661



11.5043, 11.7976, 11.7503



16.9803, 10.6935, 1.1691



0.9449, 0.6896, 0.0833

Inverse Universe

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



24.0685, 28.5751, 60.1239



35.8886, 41.8326, 100.7907



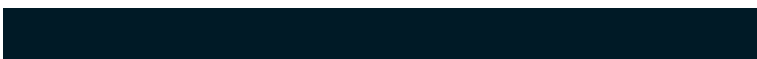
15.4862, 11.4105, 57.2631



11.2248, 12.0900, 14.3124



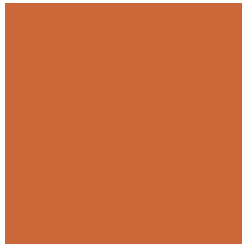
12.6562, 14.3363, 38.0564



0.7200, 0.8737, 1.9856

Previews

White Background



This preview shows how the XYZ color 30.0460, 22.7526, 6.6790 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 30.0460, 22.7526, 6.6790 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 30.0460, 22.7526, 6.6790

Background



This preview shows how black text looks on a background with the XYZ color 30.0460, 22.7526, 6.6790.



This preview shows how white text looks on a background with the XYZ color 30.0460, 22.7526,

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

30.0460, 22.7526, 6.6790

Protanopia

21.0887, 23.0069, 8.4835

Deuteranopia

23.2633, 22.8077, 6.4250



Tritanopia

31.8193, 22.5927, 16.0484

Trichromacy



Original Color

30.0460, 22.7526, 6.6790

Protanomaly

23.5826, 22.3849, 7.7804

Deuteranomaly

25.3872, 22.4539, 6.4860

Tritanomaly

30.9472, 22.5154, 11.9473

Monochromacy



Original Color

30.0460, 22.7526, 6.6790

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.5127, 21.1215, 15.4607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0460, 22.7526, 6.6790 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, 104, 57)` looks like.

```
.text, #text, p{  
    color:rgb(202, 104, 57)  
}
```

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, 104, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 104, 57) }
```

Border

The CSS property to change the border of an element to XYZ 30.0460, 22.7526, 6.6790 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, 104, 57) }
```


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

```
.border{ border-color:rgb(202, 104, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 104, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 104, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 104, 57);  
box-shadow:4px 4px 4px 4px rgb(202, 104,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0460, 22.7526, 6.6790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 104, 57) }
```

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

```
.background{ background-color: rgb(202,  
104, 57) }
```

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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