

Converting Colors

XYZ(29.7287, 23.7924, 6.3663)

Have a look what the booklet for
XYZ(29.7287, 23.7924, 6.3663)
contains.

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Color

**XYZ(29.7255, 23.8511,
6.4052)**

Conversions

Conversions Part 1

Format	Color
Hex	C67035
RGB	198, 112, 53
RGB Percent	78%, 44%, 21%
CMY	0.2235, 0.5608, 0.7921
CMYK	0.00, 0.43, 0.73, 0.22
HSL	24°, 58%, 49%
HSV	24°, 73%, 78%
XYZ	29.7255, 23.8511, 6.4052
YIQ	130.9880, 70.1950, -0.1170

Conversions

Conversions Part 2

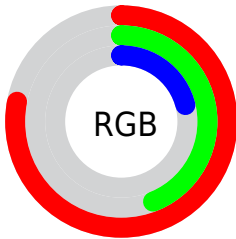
Format	Color
RYB	198, 152, 53
Decimal	13004853
CIELab	55.94, 29.31, 46.25
CIELCh	56, 54.755, 57.634
Yxy	23.8511, 0.4956, 0.3976
Android (android.graphics.Color)	4291194933 (0xFFC67035)
YUV	130.9880, -38.4481, 58.7695
Hunter-Lab	48.8376, 23.1801, 26.4102

Details

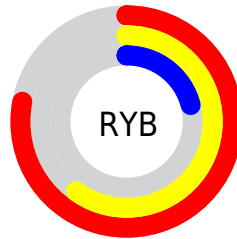
The XYZ color **29.7255, 23.8511, 6.4052** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **20.8933, 23.2982, 56.8217**, and the grayscale version is **21.6852, 22.8145, 24.8450**.

A 20% lighter version of the original color is **57.1433, 49.1495, 19.3070**, and **12.4304, 9.0462, 1.1196** is the 20% darker color. If you saturate the color by 10%, you get **28.1484, 21.2815, 4.0779**, and if you desaturate by 10%, it is **31.6608, 26.8365, 9.7802**.

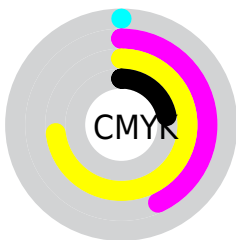
Distribution



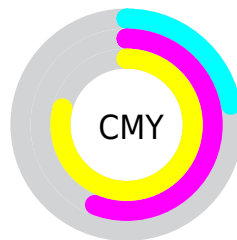
- Red (78%)
- Green (44%)
- Blue (21%)



- Red (78%)
- Yellow (60%)
- Blue (21%)



- Cyan (0%)
- Magenta (43%)
- Yellow (73%)
- Black (22%)





- Cyan (22%)
- Magenta (56%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7255, 23.8511, 6.4052 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 29.7255, 23.8511, 6.4052 by changing the saturation by 10% instead.


 29.7255, 23.8511,
6.4052


 29.7255, 23.8511,
6.4052


292.5557,
272.0668, 172.0645


 19.7774, 15.2232,
3.0203


 58.6174, 49.7871,
19.2583

 12.3406, 8.9762,
1.1050


 78.2919, 67.8640,
29.5635


 7.0500, 4.7257,
0.0000


 101.9392, 89.8594,
43.0126

 3.5400, 2.0872,
0.0000

 129.9247,
116.1576, 60.0241

 1.4453, 0.6574,
0.0000

 162.6138,
147.1430, 81.0164

 0.2882, 0.0000,
0.0000

 200.3717,

 0.0000, 0.0000,

183.2001, 106.4083

0.0000

243.5639,
224.7133, 136.6181

■ 29.7255, 23.8511,
6.4052

■ 29.7255, 23.8511,
6.4052

■ 28.1484, 21.2815,
4.0779

■ 31.6608, 26.8365,
9.7802

■ 26.8964, 19.1010,
2.6638

■ 33.9795, 30.2543,
14.3125

■ 26.1993, 17.8271,
2.0601

■ 36.7058, 34.1248,
20.0990

■ 39.8614, 38.4655,
27.2259

■ 43.4662, 43.2928,
35.7720

■ 47.5388, 48.6223,
45.8094

■ 52.0964, 54.4688,
57.4059

■ 57.1557, 60.8466,
70.6245

■ 62.7322, 67.7692,
85.5251

Harmonies

Analogous

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



35.0603, 23.8511, 13.0608



29.7255, 23.8511, 6.4052



23.1692, 23.8511, 4.5344

Triad

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



29.7255, 23.8511, 6.4052



12.6632, 23.8511, 24.5756



28.7086, 23.8511, 69.9106

Complementary

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



29.7255, 23.8511, 6.4052



20.8933, 23.2982, 56.8217

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.



22.1776, 23.8511, 77.7200



29.7255, 23.8511, 6.4052



13.6080, 23.8511, 45.4116

Square

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



29.7255, 23.8511, 6.4052



13.9639, 23.8511, 11.5664



16.8294, 23.8511, 67.1987



34.4014, 23.8511, 49.0755

Rectangle

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



29.7255, 23.8511, 6.4052



19.2229, 23.8511, 5.0483



16.8294, 23.8511, 67.1987



26.5058, 23.8511, 74.4711

Sweetspot

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



29.7260, 23.8524, 6.4056



77.5865, 77.4774, 64.8374



29.2955, 16.4456, 26.4414



16.2089, 16.0563, 12.9171



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.



29.7260, 23.8524, 6.4056



48.4311, 35.2550, 5.5211



40.9680, 46.3363, 10.1530



10.9823, 11.3338, 11.1716



17.1175, 11.7523, 1.3662



0.8814, 0.6981, 0.0883

Inverse Universe

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



20.8933, 23.2982, 56.8217



31.8223, 33.9435, 99.4823



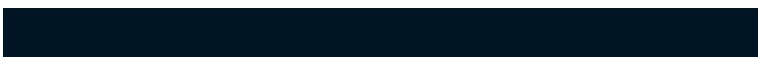
13.6984, 8.9084, 54.4234



10.5708, 11.3156, 13.5445



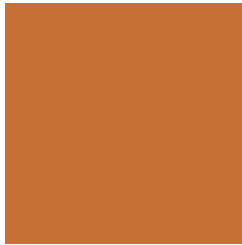
10.8840, 11.1620, 36.3252



0.5852, 0.6682, 1.7433

Previews

White Background



This preview shows how the XYZ color 29.7255, 23.8511, 6.4052 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 29.7255, 23.8511, 6.4052 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 29.7255, 23.8511, 6.4052

Background



This preview shows how black text looks on a background with the XYZ color 29.7255, 23.8511, 6.4052.



This preview shows how white text looks on a background with the XYZ color 29.7255, 23.8511,

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

29.7255, 23.8511, 6.4052

Protanopia

21.8740, 24.0438, 7.7630

Deuteranopia

24.4220, 23.9849, 6.2481



Tritanopia

32.1196, 23.7129, 18.5069

Trichromacy



Original Color

29.7255, 23.8511, 6.4052

Protanomaly

24.2642, 23.6896, 7.1646

Deuteranomaly

26.1257, 23.7331, 6.2216

Tritanomaly

31.0703, 23.7598, 12.8460

Monochromacy



Original Color

29.7255, 23.8511, 6.4052

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.1734, 22.3631, 15.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7255, 23.8511, 6.4052 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(198, 112, 53)` looks like.

```
.text, #text, p{  
    color:rgb(198, 112, 53)  
}
```

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(198, 112, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 112, 53) }
```

Border

The CSS property to change the border of an element to XYZ 29.7255, 23.8511, 6.4052 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(198, 112, 53) }
```


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

```
.border{ border-color:rgb(198, 112, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 112, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 112, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 112, 53);  
box-shadow:4px 4px 4px 4px rgb(198, 112,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7255, 23.8511, 6.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 112, 53) }
```

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

```
.background{ background-color: rgb(198,  
112, 53) }
```

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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