

Converting Colors

XYZ(29.5742, 22.6256, 2.9032)

Have a look what the booklet for
XYZ(29.5742, 22.6256, 2.9032)
contains.

XYZ(29.5954, 22.6037, 2.8893)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.5954, 22.6037,
2.8893)**

Conversions

Conversions Part 1

Format	Color
Hex	CB6803
RGB	203, 104, 3
RGB Percent	80%, 41%, 1%
CMY	0.2039, 0.5921, 0.9882
CMYK	0.00, 0.49, 0.99, 0.20
HSL	30°, 97%, 40%
HSV	30°, 99%, 80%
XYZ	29.5954, 22.6037, 2.8893
YIQ	122.0870, 91.4250, -10.4230

Conversions

Conversions Part 2

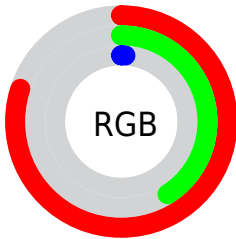
Format	Color
R_{YB}	199, 203, 3
Decimal	13330435
CIE Lab	54.66, 34.32, 62.18
CIE LCh	55, 71.019, 61.103
Yxy	22.6037, 0.5372, 0.4103
Android (android.graphics.Color)	4291520515 (0xFFCB6803)
YUV	122.0870, -58.7099, 70.9607
Hunter-Lab	47.5433, 27.9141, 29.6772

Details

The XYZ color **29.5954, 22.6037, 2.8893** 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 **15.5686, 13.8341, 58.3493**, and the grayscale version is **18.6930, 19.6665, 21.4169**.

A 20% lighter version of the original color is **54.1118, 45.4303, 11.0712**, and **12.4745, 8.3891, 0.9618** is the 20% darker color. If you saturate the color by 10%, you get **29.4308, 22.3012, 2.7534**, and if you desaturate by 10%, it is **30.8097, 24.8065, 3.9912**.

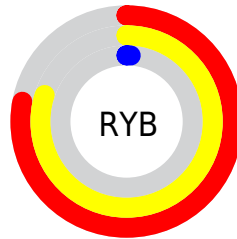
Distribution



Red (80%)

Green (41%)

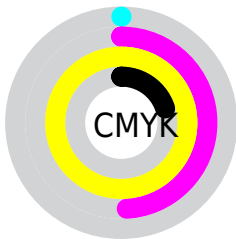
Blue (1%)



Red (78%)

Yellow (80%)

Blue (1%)

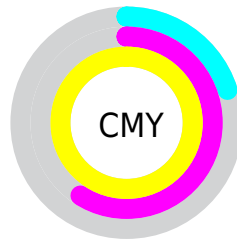


Cyan (0%)

Magenta (49%)

Yellow (99%)

Black (20%)



Cyan (20%)


Magenta (59%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5954, 22.6037, 2.8893 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 29.5954, 22.6037, 2.8893 by changing the saturation by 10% instead.


 29.5954, 22.6037,
2.8893


 29.5954, 22.6037,
2.8893


291.9577,
265.6829, 134.9380


 19.6782, 14.3012,
1.0384

 58.4128, 47.7418,
11.3540

 12.2683, 8.3304,
0.0000


 78.0437, 65.3461,
18.8049


 7.0002, 4.3071,
0.0000


 101.6432, 86.8198,
28.9596

 3.5085, 1.8468,
0.0000

 129.5767,
112.5473, 42.2365

 1.4280, 0.5161,
0.0000

 162.2096,
142.9130, 59.0543


 0.2761, 0.0000,
0.0000


 199.9071,


 0.0000, 0.0000,


178.3012, 79.8314


0.0000


 243.0347,
219.0964, 104.9865


 29.5954, 22.6037,
2.8893


 29.5954, 22.6037,
2.8893


 29.4308, 22.3012,
2.7534

 30.8097, 24.8065,
3.9912

 32.2963, 27.3164,
5.9148

 34.0972, 30.1575,
8.8606

 36.2403, 33.3467,
12.9567

 38.7495, 36.8992,
18.3123

■ 41.6463, 40.8290,
25.0235

■ 44.9502, 45.1492,
33.1771

■ 48.6792, 49.8720,
42.8527

■ 52.8502, 55.0090,
54.1238

Harmonies

Analogous

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



37.0922, 22.6037, 8.4009



29.5954, 22.6037, 2.8893



21.1960, 22.6037, 1.7869

Triad

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



29.5954, 22.6037, 2.8893



9.6891, 22.6037, 25.4497



30.2203, 22.6037, 82.9191

Complementary

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



29.5954, 22.6037, 2.8893



15.5686, 13.8341, 58.3493

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.



21.7748, 22.6037, 97.5970



29.5954, 22.6037, 2.8893



11.0143, 22.6037, 54.2131

Square

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



29.5954, 22.6037, 2.8893



10.8300, 22.6037, 9.1217



15.0094, 22.6037, 84.7957



37.5102, 22.6037, 51.8190

Rectangle

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



29.5954, 22.6037, 2.8893



16.5147, 22.6037, 2.3362



15.0094, 22.6037, 84.7957



27.3622, 22.6037, 90.5612

Sweetspot

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



29.5959, 22.6049, 2.8897



74.1735, 74.1890, 52.7937



27.1095, 13.7411, 14.0564



15.3641, 15.2121, 10.0295



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.



29.5959, 22.6049, 2.8897



49.0611, 36.9022, 4.5370



46.0008, 55.4147, 8.3580



11.6727, 12.1344, 11.8064



18.8211, 14.3751, 1.7827



1.0468, 0.8934, 0.1173

Inverse Universe

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



15.5686, 13.8341, 58.3493



25.5392, 22.1984, 97.5464



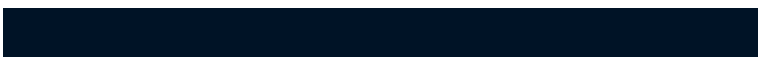
10.8497, 4.3965, 56.7764



11.0527, 11.7458, 14.2550



9.8806, 8.7852, 37.1312



0.5856, 0.6050, 1.9409

Previews

White Background



This preview shows how the XYZ color 29.5954, 22.6037, 2.8893 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 29.5954, 22.6037, 2.8893 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 29.5954, 22.6037, 2.8893

Background



This preview shows how black text looks on a background with the XYZ color 29.5954, 22.6037, 2.8893.



This preview shows how white text looks on a background with the XYZ color 29.5954, 22.6037,

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

29.5954, 22.6037, 2.8893

Protanopia

20.5732, 22.8421, 3.8969

Deuteranopia

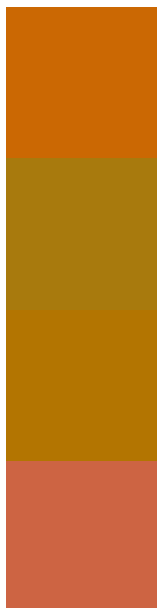
23.0595, 22.7742, 3.1805



Tritanopia

32.1765, 22.6505, 15.5081

Trichromacy



Original Color

29.5954, 22.6037, 2.8893

Protanomaly

23.1806, 22.2730, 3.4581

Deuteranomaly

24.9572, 22.3085, 3.0193

Tritanomaly

30.7471, 22.4987, 8.0323

Monochromacy



Original Color

29.5954, 22.6037, 2.8893

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.3045, 19.4053, 10.0726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5954, 22.6037, 2.8893 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(203, 104, 3)` looks like.

```
.text, #text, p{  
    color:rgb(203, 104, 3)  
}
```

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(203, 104, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 104, 3) }
```

Border

The CSS property to change the border of an element to XYZ 29.5954, 22.6037, 2.8893 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(203, 104, 3) }
```


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

```
.border{ border-color:rgb(203, 104, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 104, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 104, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 104, 3);  
box-shadow:4px 4px 4px 4px rgb(203, 104,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5954, 22.6037, 2.8893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 104, 3) }
```

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

```
.background{ background-color: rgb(203,  
104, 3) }
```

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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