

Converting Colors

XYZ(30.7988, 25.1256, 5.5524)

Have a look what the booklet for
XYZ(30.7988, 25.1256, 5.5524)
contains.

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Color

**XYZ(30.7688, 25.0827,
5.5053)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C9742B |
| RGB | 201, 116, 43 |
| RGB Percent | 79%, 45%, 17% |
| CMY | 0.2118, 0.5451, 0.8314 |
| CMYK | 0.00, 0.42, 0.79, 0.21 |
| HSL | 28°, 65%, 48% |
| HSV | 28°, 79%, 79% |
| XYZ | 30.7688, 25.0827, 5.5053 |
| YIQ | 133.0930, 74.0930, -4.6830 |

Conversions

Conversions Part 2

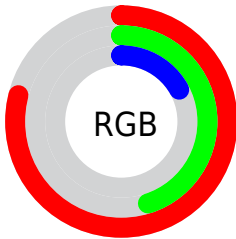
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 201, 179, 43 |
| Decimal | 13202475 |
| CIE _{Lab} | 57.16, 27.99, 52.18 |
| CIE _{LCh} | 57, 59.209, 61.789 |
| Yxy | 25.0827, 0.5015, 0.4088 |
| Android (android.graphics.Color) | 4291392555 (0xFFC9742B) |
| YUV | 133.0930, -44.4158, 59.5544 |
| Hunter-Lab | 50.0826, 22.0188, 28.5404 |

Details

The XYZ color **30.7688, 25.0827, 5.5053** 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 **19.2575, 20.1679, 58.1357**, and the grayscale version is **22.4668, 23.6368, 25.7405**.

A 20% lighter version of the original color is **57.4483, 50.4441, 17.2985**, and **12.9917, 9.6770, 1.1831** is the 20% darker color. If you saturate the color by 10%, you get **29.3122, 22.6215, 3.6270**, and if you desaturate by 10%, it is **32.5532, 27.9094, 8.3890**.

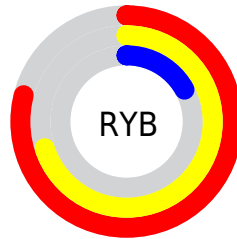
Distribution



Red (79%)

Green (45%)

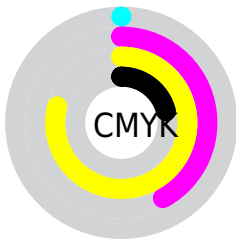
Blue (17%)



Red (79%)

Yellow (70%)

Blue (17%)

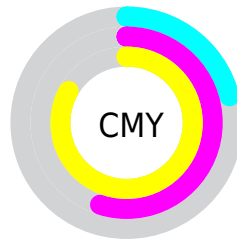


Cyan (0%)

Magenta (42%)

Yellow (79%)

Black (21%)



Cyan (21%)


Magenta (55%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7688, 25.0827, 5.5053 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 30.7688, 25.0827, 5.5053 by changing the saturation by 10% instead.


 30.7688, 25.0827,
5.5053


 30.7688, 25.0827,
5.5053


297.3177,
278.2495, 163.7208


 20.5738, 16.1387,
2.4828


 60.2542, 51.7914,
17.3547


 12.9235, 9.6223,
0.8310


 80.2753, 70.3248,
27.0187

 7.4525, 5.1493,
0.0000


 104.3026, 92.8235,
39.7336

 3.7955, 2.3351,
0.0000

 132.7013,
119.6718, 55.9180

 1.5871, 0.7922,
0.0000

 165.8368,
151.2542, 75.9904

 0.3840, 0.0000,
0.0000

 204.0744,

 0.0000, 0.0000,

187.9550, 100.3693

0.0000

247.7796,
230.1587, 129.4732

■ 30.7688, 25.0827,
5.5053

■ 30.7688, 25.0827,
5.5053

■ 29.3122, 22.6215,
3.6270

■ 32.5532, 27.9094,
8.3890

■ 28.1392, 20.4969,
2.5537

■ 34.6920, 31.1164,
12.4023

■ 27.9904, 20.2238,
2.4283

■ 37.2103, 34.7221,
17.6526

■ 40.1299, 38.7422,
24.2342

■ 43.4710, 43.1912,
32.2322

■ 47.2520, 48.0831,
41.7245

■ 51.4903, 53.4308,
52.7833

■ 56.2022, 59.2469,
65.4761

■ 61.4032, 65.5434,
79.8663

Harmonies

Analogous

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



37.1740, 25.0827, 11.6471



30.7688, 25.0827, 5.5053



23.4235, 25.0827, 4.0846

Triad

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



30.7688, 25.0827, 5.5053



12.7791, 25.0827, 28.5294



31.6378, 25.0827, 74.7810

Complementary

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



30.7688, 25.0827, 5.5053



19.2575, 20.1679, 58.1357

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.



24.2621, 25.0827, 86.6104



30.7688, 25.0827, 5.5053



14.1504, 25.0827, 52.9951

Square

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



30.7688, 25.0827, 5.5053



13.8563, 25.0827, 12.8658



18.0389, 25.0827, 77.1561



37.7407, 25.0827, 49.8247

Rectangle

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



30.7688, 25.0827, 5.5053



19.1948, 25.0827, 4.9028



18.0389, 25.0827, 77.1561



29.1808, 25.0827, 80.8522

Sweetspot

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



30.7694, 25.0840, 5.5058



77.0971, 77.4300, 61.8033



28.9738, 15.7544, 22.5980



16.0164, 15.9406, 12.0231



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.



30.7694, 25.0840, 5.5058



48.7963, 36.2311, 4.8847



43.6152, 50.7757, 9.7877



11.0310, 11.4311, 11.1878



17.6891, 12.8953, 1.5567



0.9098, 0.7551, 0.0978

Inverse Universe

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



19.2575, 20.1679, 58.1357



28.2623, 27.3449, 98.3963



12.7185, 7.0898, 55.9560



10.5213, 11.2167, 13.5280



10.1015, 9.5969, 36.0643



0.5502, 0.5982, 1.7316

Previews

White Background



This preview shows how the XYZ color 30.7688, 25.0827, 5.5053 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 30.7688, 25.0827, 5.5053 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 30.7688, 25.0827, 5.5053

Background



This preview shows how black text looks on a background with the XYZ color 30.7688, 25.0827, 5.5053.



This preview shows how white text looks on a background with the XYZ color 30.7688, 25.0827,

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

30.7688, 25.0827, 5.5053

Protanopia

22.9693, 25.2687, 6.5725

Deuteranopia

25.6997, 25.2568, 5.3542



Tritanopia

33.7979, 25.1774, 19.6014

Trichromacy



Original Color

30.7688, 25.0827, 5.5053

Protanomaly

25.2903, 24.8284, 6.1487

Deuteranomaly

27.3723, 25.1422, 5.4177

Tritanomaly

32.4992, 25.1470, 12.5922

Monochromacy



Original Color

30.7688, 25.0827, 5.5053

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.9902, 23.3679, 15.3026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7688, 25.0827, 5.5053 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(201, 116, 43)` looks like.

```
.text, #text, p{  
    color:rgb(201, 116, 43)  
}
```

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(201, 116, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 116, 43) }
```

Border

The CSS property to change the border of an element to XYZ 30.7688, 25.0827, 5.5053 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(201, 116, 43) }
```


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

```
.border{ border-color:rgb(201, 116, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 116, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 116, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 116, 43);  
box-shadow:4px 4px 4px 4px rgb(201, 116,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7688, 25.0827, 5.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 116, 43) }
```

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

```
.background{ background-color: rgb(201,  
116, 43) }
```

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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