

Converting Colors

XYZ(29.8249, 22.6835, 2.8064)

Have a look what the booklet for
XYZ(29.8249, 22.6835, 2.8064)
contains.

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Color

**XYZ(29.8522, 22.7380,
2.8155)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6800
RGB	204, 104, 0
RGB Percent	80%, 41%, 0%
CMY	0.2000, 0.5921, 1.0000
CMYK	0.00, 0.49, 1.00, 0.20
HSL	31°, 100%, 40%
HSV	31°, 100%, 80%
XYZ	29.8522, 22.7380, 2.8155
YIQ	122.0440, 92.9840, -11.1440

Conversions

Conversions Part 2

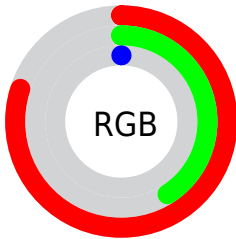
Format	Color
R_{YB}	196, 204, 0
Decimal	13395968
CIE _{Lab}	54.80, 34.69, 62.93
CIE _{LCh}	55, 71.860, 61.132
Yxy	22.7380, 0.5388, 0.4104
Android (android.graphics.Color)	4291586048 (0xFFCC6800)
YUV	122.0440, -60.1677, 71.8754
Hunter-Lab	47.6844, 28.3000, 29.8783

Details

The XYZ color **29.8522, 22.7380, 2.8155** 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 **15.4562, 13.4739, 58.9125**, and the grayscale version is **18.6832, 19.6561, 21.4055**.

A 20% lighter version of the original color is **54.0826, 45.4186, 10.9172**, and **12.6469, 8.4780, 0.9698** is the 20% darker color. If you saturate the color by 10%, you get **29.8523, 22.7386, 2.8156**, and if you desaturate by 10%, it is **31.0496, 24.9253, 3.8555**.

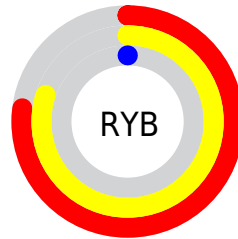
Distribution



Red (80%)

Green (41%)

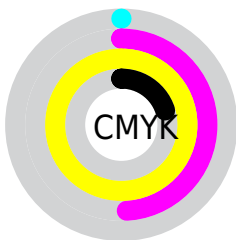
Blue (0%)



Red (77%)

Yellow (80%)

Blue (0%)

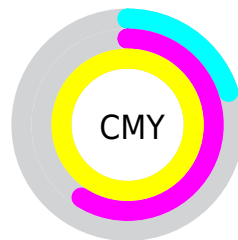


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8522, 22.7380, 2.8155 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 29.8522, 22.7380, 2.8155 by changing the saturation by 10% instead.


 29.8522, 22.7380,
2.8155


 29.8522, 22.7380,
2.8155


293.1371,
266.3764, 133.9749


 19.8739, 14.4002,
1.0012


 58.8166, 47.9628,
11.1697

 12.4112, 8.3995,
0.0000


 78.5334, 65.6185,
18.5466

 7.0985, 4.3516,
0.0000


 102.2272, 87.1490,
28.6149

 3.5707, 1.8721,
0.0000

 130.2632,
112.9386, 41.7931

 1.4622, 0.5315,
0.0000

 163.0069,
143.3717, 58.4996

 0.2999, 0.0000,
0.0000


 200.8235,


 0.0000, 0.0000,


178.8329, 79.1531


0.0000


 244.0785,
219.7063, 104.1720


 29.8522, 22.7380,
2.8155


 29.8522, 22.7380,
2.8155


 29.8523, 22.7386,
2.8156

 31.0496, 24.9253,
3.8555

 32.5069, 27.4128,
5.6580

 34.2754, 30.2281,
8.4722

 36.3838, 33.3885,
12.4313

 38.8566, 36.9094,
17.6483

■ 41.7160, 40.8049,
24.2221

■ 44.9817, 45.0882,
32.2418

■ 48.6722, 49.7714,
41.7888

■ 52.8046, 54.8664,
52.9384

Harmonies

Analogous

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



37.4906, 22.7380, 8.3348



29.8522, 22.7380, 2.8155



21.3117, 22.7380, 1.7245

Triad

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



29.8522, 22.7380, 2.8155



9.6596, 22.7380, 25.6313



30.5045, 22.7380, 84.2093

Complementary

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



29.8522, 22.7380, 2.8155



15.4562, 13.4739, 58.9125

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.



21.9147, 22.7380, 99.2470



29.8522, 22.7380, 2.8155



11.0008, 22.7380, 54.9400

Square

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



29.8522, 22.7380, 2.8155



10.8097, 22.7380, 9.0797



15.0472, 22.7380, 86.1772



37.9275, 22.7380, 52.4348

Rectangle

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



29.8522, 22.7380, 2.8155



16.5620, 22.7380, 2.2699



15.0472, 22.7380, 86.1772



27.5960, 22.7380, 92.0315

Sweetspot

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



29.8527, 22.7392, 2.8159



74.2685, 74.3790, 52.8254



27.3002, 13.7968, 13.7953



15.3865, 15.2570, 10.0370



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.



29.8527, 22.7392, 2.8159



49.2232, 37.2264, 4.5911



46.4945, 56.0228, 8.3631



11.6772, 12.1434, 11.8079



18.8830, 14.4990, 1.8033



1.0500, 0.8997, 0.1183

Inverse Universe

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



15.4562, 13.4739, 58.9125



25.3831, 21.8861, 97.4944



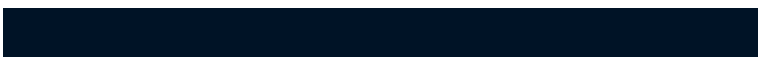
10.8992, 4.3598, 57.3935



11.0482, 11.7368, 14.2535



9.8208, 8.6657, 37.1113



0.5826, 0.5989, 1.9398

Previews

White Background



This preview shows how the XYZ color 29.8522, 22.7380, 2.8155 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 29.8522, 22.7380, 2.8155 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 29.8522, 22.7380, 2.8155

Background



This preview shows how black text looks on a background with the XYZ color 29.8522, 22.7380, 2.8155.



This preview shows how white text looks on a background with the XYZ color 29.8522, 22.7380,

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

29.8522, 22.7380, 2.8155

Protanopia

20.7549, 22.9358, 3.9054

Deuteranopia

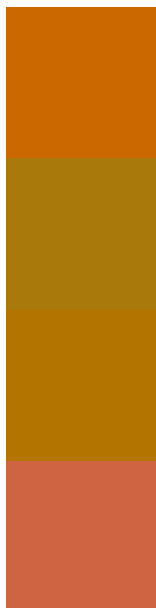
23.0595, 22.7742, 3.1805



Tritanopia

32.4550, 22.7941, 15.5211

Trichromacy



Original Color

29.8522, 22.7380, 2.8155

Protanomaly

23.3821, 22.3782, 3.4037

Deuteranomaly

25.1837, 22.4259, 3.0013

Tritanomaly

30.9941, 22.6295, 7.8886

Monochromacy



Original Color

29.8522, 22.7380, 2.8155

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.4548, 19.4869, 9.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8522, 22.7380, 2.8155 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(204, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 104, 0)  
}
```

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(204, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8522, 22.7380, 2.8155 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(204, 104, 0) }
```


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

```
.border{ border-color:rgb(204, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 104,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8522, 22.7380, 2.8155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 104, 0) }
```

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

```
.background{ background-color: rgb(204,  
104, 0) }
```

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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