

Converting Colors

XYZ(28.8968, 22.7218, 1.4814)

Have a look what the booklet for
XYZ(28.8968, 22.7218, 1.4814)
contains.

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Color

**XYZ(29.0771, 22.7948,
2.8673)**

Conversions

Conversions Part 1

Format	Color
Hex	C86B00
RGB	200, 107, 0
RGB Percent	78%, 42%, 0%
CMY	0.2157, 0.5804, 1.0000
CMYK	0.00, 0.46, 1.00, 0.22
HSL	32°, 100%, 39%
HSV	32°, 100%, 78%
XYZ	29.0771, 22.7948, 2.8673
YIQ	122.6090, 89.7750, -13.5610

Conversions

Conversions Part 2

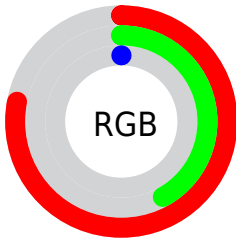
Format	Color
RYB	174, 200, 0
Decimal	13134592
CIELab	54.86, 31.47, 62.67
CIELCh	55, 70.129, 63.335
Yxy	22.7948, 0.5312, 0.4164
Android (android.graphics.Color)	4291324672 (0xFFC86B00)
YUV	122.6090, -60.4462, 67.8719
Hunter-Lab	47.7439, 25.1587, 29.8600

Details

The XYZ color **29.0771, 22.7948, 2.8673** 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 **14.3395, 11.9986, 56.2032**, and the grayscale version is **18.8708, 19.8536, 21.6205**.

A 20% lighter version of the original color is **54.5923, 46.4379, 11.0871**, and **12.1605, 8.5151, 1.0026** is the 20% darker color. If you saturate the color by 10%, you get **29.0773, 22.7954, 2.8674**, and if you desaturate by 10%, it is **30.2262, 24.8913, 3.8735**.

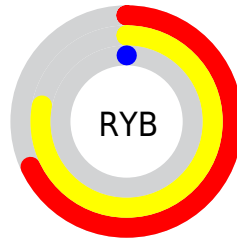
Distribution



Red (78%)

Green (42%)

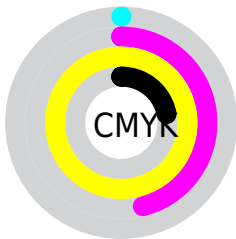
Blue (0%)



Red (68%)

Yellow (78%)

Blue (0%)

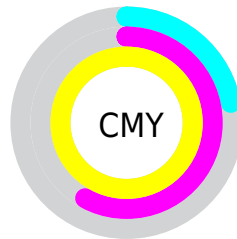


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0771, 22.7948, 2.8673 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 29.0771, 22.7948, 2.8673 by changing the saturation by 10% instead.

■ 29.0771, 22.7948,
2.8673

■ 29.0771, 22.7948,
2.8673

289.5662,
266.6693, 134.6521

■ 19.2837, 14.4421,
1.0273

■ 57.5963, 48.0562,
11.2992

■ 11.9807, 8.4288,
0.0000

■ 77.0528, 65.7336,
18.7282

■ 6.8026, 4.3705,
0.0000

■ 100.4611, 87.2880,
28.8572

■ 3.3842, 1.8829,
0.0000

■ 128.1864,
113.1039, 42.1048

■ 1.3600, 0.5381,
0.0000

■ 160.5943,
143.5655, 58.8896


■ 0.2275, 0.0000,
0.0000


■ 198.0500,


■ 0.0000, 0.0000,


179.0574, 79.6300


0.0000


 240.9188,
219.9638, 104.7447

 29.0771, 22.7948,
2.8673

 29.0771, 22.7948,
2.8673

 29.0773, 22.7954,
2.8674

 30.2262, 24.8913,
3.8735

 31.6128, 27.2536,
5.6023

 33.2857, 29.9071,
8.2941

 35.2717, 32.8671,
12.0755

 37.5937, 36.1474,
17.0538

■ 40.2721, 39.7602,
23.3231

■ 43.3254, 43.7173,
30.9679

■ 46.7708, 48.0294,
40.0658

■ 50.6239, 52.7067,
50.6882

Harmonies

Analogous

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



36.6790, 22.7948, 7.9622



29.0771, 22.7948, 2.8673



20.8092, 22.7948, 1.9317

Triad

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



29.0771, 22.7948, 2.8673



9.9213, 22.7948, 27.3897



30.9451, 22.7948, 80.3912

Complementary

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



29.0771, 22.7948, 2.8673



14.3395, 11.9986, 56.2032

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.



22.5455, 22.7948, 96.6094



29.0771, 22.7948, 2.8673



11.4362, 22.7948, 56.4947

Square

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



29.0771, 22.7948, 2.8673



10.8785, 22.7948, 10.1554



15.6347, 22.7948, 85.9575



37.9260, 22.7948, 49.3663

Rectangle

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



29.0771, 22.7948, 2.8673



16.2758, 22.7948, 2.6254



15.6347, 22.7948, 85.9575



28.1310, 22.7948, 88.3832

Sweetspot

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



29.0776, 22.7960, 2.8677



74.7698, 75.3817, 52.9925



25.8100, 13.0757, 11.5977



15.5051, 15.4942, 10.0765



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.



29.0776, 22.7960, 2.8677



50.1049, 38.9898, 4.8850



42.7313, 52.6894, 7.9181



11.0959, 11.5609, 11.2094



18.5790, 14.6752, 1.8534



0.9517, 0.8388, 0.1118

Inverse Universe

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



14.3395, 11.9986, 56.2032



24.5957, 20.3114, 97.2319



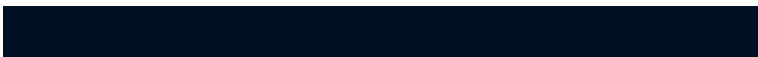
10.5088, 4.2133, 54.9024



10.4564, 11.0868, 13.5063



9.2053, 7.8045, 35.7656



0.5082, 0.5141, 1.7176

Previews

White Background



This preview shows how the XYZ color 29.0771, 22.7948, 2.8673 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 29.0771, 22.7948, 2.8673 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 29.0771, 22.7948, 2.8673

Background



This preview shows how black text looks on a background with the XYZ color 29.0771, 22.7948, 2.8673.



This preview shows how white text looks on a background with the XYZ color 29.0771, 22.7948,

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

29.0771, 22.7948, 2.8673

Protanopia

20.7469, 22.9326, 3.8633

Deuteranopia

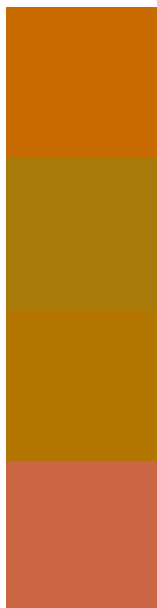
23.2700, 22.8827, 3.1903



Tritanopia

31.6920, 22.6608, 16.3393

Trichromacy



Original Color

29.0771, 22.7948, 2.8673

Protanomaly

23.2918, 22.5149, 3.4348

Deuteranomaly

25.0688, 22.5406, 3.0295

Tritanomaly

30.1216, 22.4645, 8.0587

Monochromacy



Original Color

29.0771, 22.7948, 2.8673

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4989, 19.8519, 9.9591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0771, 22.7948, 2.8673 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(200, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 107, 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(200, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.0771, 22.7948, 2.8673 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(200, 107, 0) }
```


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

```
.border{ border-color:rgb(200, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0771, 22.7948, 2.8673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 107, 0) }
```

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

```
.background{ background-color: rgb(200,  
107, 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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