

Converting Colors

XYZ(28.9367, 22.5958, 3.8611)

Have a look what the booklet for
XYZ(28.9367, 22.5958, 3.8611)
contains.

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Color

**XYZ(28.9051, 22.5293,
3.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	C76A1B
RGB	199, 106, 27
RGB Percent	78%, 42%, 11%
CMY	0.2196, 0.5843, 0.8941
CMYK	0.00, 0.47, 0.86, 0.22
HSL	28°, 76%, 44%
HSV	28°, 86%, 78%
XYZ	28.9051, 22.5293, 3.8620
YIQ	124.8010, 80.7870, -4.8530

Conversions

Conversions Part 2

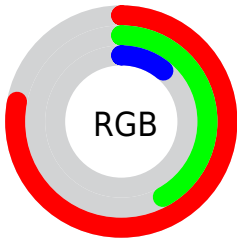
Format	Color
RYB	199, 173, 27
Decimal	13068827
CIELab	54.58, 32.00, 55.98
CIElCh	55, 64.483, 60.250
Yxy	22.5293, 0.5227, 0.4074
Android (android.graphics.Color)	4291258907 (0xFFC76A1B)
YUV	124.8010, -48.2159, 65.0725
Hunter-Lab	47.4650, 25.6385, 28.4014

Details

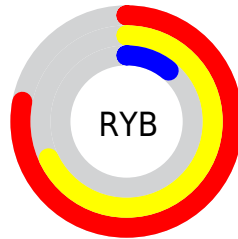
The XYZ color **28.9051, 22.5293, 3.8620** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.4768, 17.7886, 56.5450**, and the grayscale version is **19.5647, 20.5836, 22.4156**.

A 20% lighter version of the original color is **54.9148, 46.2929, 13.6305**, and **12.1106, 8.4152, 0.9860** is the 20% darker color. If you saturate the color by 10%, you get **27.7065, 20.3866, 2.6787**, and if you desaturate by 10%, it is **30.3982, 25.0145, 5.9051**.

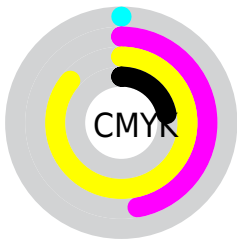
Distribution



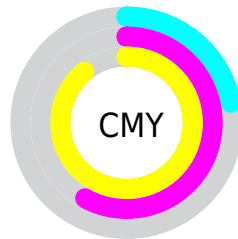
- Red (78%)
- Green (42%)
- Blue (11%)



- Red (78%)
- Yellow (68%)
- Blue (11%)



- Cyan (0%)
- Magenta (47%)
- Yellow (86%)
- Black (22%)





- Cyan (22%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9051, 22.5293, 3.8620 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 28.9051, 22.5293, 3.8620 by changing the saturation by 10% instead.


 28.9051, 22.5293,
3.8620


 28.9051, 22.5293,
3.8620


288.7692,
265.2981, 146.6789

 19.1530, 14.2463,
1.5499


 57.3249, 47.6193,
13.6902

 11.8855, 8.2922,
0.2547


 76.7232, 65.1951,
22.0435

 6.7374, 4.2825,
0.0000


 100.0677, 86.6373,
33.2475

 3.3433, 1.8328,
0.0000

 127.7236,
112.3303, 47.7209

 1.3378, 0.5075,
0.0000

 160.0564,
142.6584, 65.8822

 0.2112, 0.0000,
0.0000

 197.4314,

 0.0000, 0.0000,

178.0062, 88.1500

0.0000

240.2138,
218.7580, 114.9427

28.9051, 22.5293,
3.8620

28.9051, 22.5293,
3.8620

27.7065, 20.3866,
2.6787

30.3982, 25.0145,
5.9051

27.3290, 19.6939,
2.3609

32.2176, 27.8596,
8.9585

34.3905, 31.0839,
13.1404

36.9403, 34.7038,
18.5520

39.8881, 38.7346,
25.2832

■ 43.2530, 43.1905,
33.4154

■ 47.0530, 48.0848,
43.0233

■ 51.3048, 53.4305,
54.1762

■ 56.0242, 59.2395,
66.9392

Harmonies

Analogous

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



35.4598, 22.5293, 9.6635



28.9051, 22.5293, 3.8620



21.3540, 22.5293, 2.5491

Triad

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



28.9051, 22.5293, 3.8620



10.4799, 22.5293, 24.7013



29.0311, 22.5293, 75.9850

Complementary

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



28.9051, 22.5293, 3.8620



17.4768, 17.7886, 56.5450

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.



21.4729, 22.5293, 87.8345



28.9051, 22.5293, 3.8620



11.6738, 22.5293, 49.8852

Square

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



28.9051, 22.5293, 3.8620



11.6342, 22.5293, 9.8229



15.3429, 22.5293, 76.3475



35.5431, 22.5293, 49.4132

Rectangle

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



28.9051, 22.5293, 3.8620



17.0381, 22.5293, 3.1197



15.3429, 22.5293, 76.3475



26.4802, 22.5293, 82.3142

Sweetspot

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



28.9056, 22.5305, 3.8624



75.7644, 75.6643, 58.5850



27.4332, 14.3213, 19.6014



15.7549, 15.5896, 11.4058



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.



28.9056, 22.5305, 3.8624



47.6164, 34.0127, 4.0555



42.2511, 49.2215, 8.3109



11.0286, 11.4263, 11.1870



17.6588, 12.8348, 1.5466



0.9084, 0.7522, 0.0973

Inverse Universe

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



17.4768, 17.7886, 56.5450



27.1199, 25.3599, 98.0733



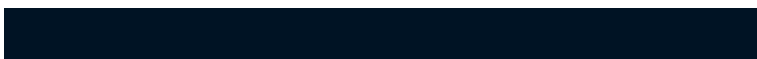
11.3797, 5.5944, 54.5126



10.5238, 11.2216, 13.5288



10.1380, 9.6700, 36.0765



0.5519, 0.6016, 1.7322

Previews

White Background



This preview shows how the XYZ color 28.9051, 22.5293, 3.8620 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 28.9051, 22.5293, 3.8620 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 28.9051, 22.5293, 3.8620

Background



This preview shows how black text looks on a background with the XYZ color 28.9051, 22.5293, 3.8620.



This preview shows how white text looks on a background with the XYZ color 28.9051, 22.5293,

3.8620.

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

28.9051, 22.5293, 3.8620

Protanopia

20.4377, 22.5511, 4.7890

Deuteranopia

23.0128, 22.5540, 3.5559



Tritanopia

31.4205, 22.5208, 16.3266

Trichromacy



Original Color

28.9051, 22.5293, 3.8620

Protanomaly

22.9327, 22.1250, 4.3582

Deuteranomaly

24.8389, 22.2346, 3.5986

Tritanomaly

30.1783, 22.4561, 9.7651

Monochromacy



Original Color

28.9051, 22.5293, 3.8620

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.2305, 20.3535, 12.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9051, 22.5293, 3.8620 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(199, 106, 27)` looks like.

```
.text, #text, p{  
    color:rgb(199, 106, 27)  
}
```

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(199, 106, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 106, 27) }
```

Border

The CSS property to change the border of an element to XYZ 28.9051, 22.5293, 3.8620 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(199, 106, 27) }
```


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

```
.border{ border-color:rgb(199, 106, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 106, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 106, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 106, 27);  
box-shadow:4px 4px 4px 4px rgb(199, 106,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9051, 22.5293, 3.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 106, 27) }
```

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

```
.background{ background-color: rgb(199,  
106, 27) }
```

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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