

Converting Colors

XYZ(27.3315, 20.5874, 3.0121)

Have a look what the booklet for
XYZ(27.3315, 20.5874, 3.0121)
contains.

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Color

**XYZ(27.2262, 20.5085,
3.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	C46210
RGB	196, 98, 16
RGB Percent	77%, 38%, 6%
CMY	0.2314, 0.6157, 0.9372
CMYK	0.00, 0.50, 0.92, 0.23
HSL	27°, 85%, 42%
HSV	27°, 92%, 77%
XYZ	27.2262, 20.5085, 3.0138
YIQ	117.9540, 84.7300, -4.7260

Conversions

Conversions Part 2

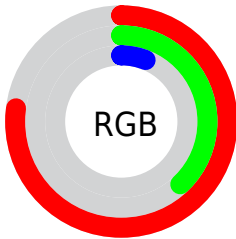
Format	Color
R_{YB}	196, 167, 16
Decimal	12870160
CIE Lab	52.41, 34.74, 57.44
CIE LCh	52, 67.132, 58.836
Yxy	20.5085, 0.5365, 0.4041
Android (android.graphics.Color)	4291060240 (0xFFC46210)
YUV	117.9540, -50.2633, 68.4463
Hunter-Lab	45.2863, 28.0634, 27.7547

Details

The XYZ color **27.2262, 20.5085, 3.0138** is a dark color, and the websafe version is hex **CC6600**, and the color name is **alloy orange**. The color can be described as dark washed orange. A complement of this color would be **16.1947, 16.1300, 54.4841**, and the grayscale version is **17.3401, 18.2431, 19.8668**.

A 20% lighter version of the original color is **53.2837, 43.5276, 11.5546**, and **11.0486, 7.2648, 0.8199** is the 20% darker color. If you saturate the color by 10%, you get **26.3616, 18.9293, 2.2643**, and if you desaturate by 10%, it is **28.5115, 22.7291, 4.5220**.

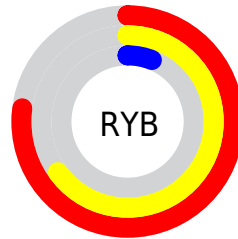
Distribution



Red (77%)

Green (38%)

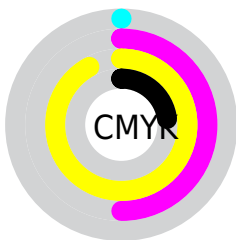
Blue (6%)



Red (77%)

Yellow (65%)

Blue (6%)

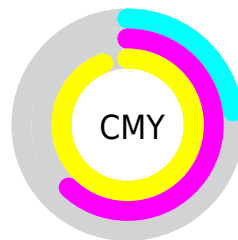


Cyan (0%)

Magenta (50%)

Yellow (92%)

Black (23%)



Cyan (23%)


Magenta (62%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2262, 20.5085, 3.0138 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 27.2262, 20.5085, 3.0138 by changing the saturation by 10% instead.


 27.2262, 20.5085,
3.0138


 27.2262, 20.5085,
3.0138


280.8983,
254.6548, 136.5362


 17.8806, 12.7652,
1.1017


 54.6640, 44.2681,
11.6625


 10.9635, 7.2671,
0.0000


 73.4869, 61.0532,
19.2361

 6.1094, 3.6297,
0.0000


 96.1996, 81.6210,
29.5340

 2.9530, 1.4686,
0.0000

 123.1676,
106.3559, 42.9747

 1.1290, 0.2665,
0.0000

 154.7560,
135.6424, 59.9767

 0.0491, 0.0000,
0.0000

 191.3304,

 0.0000, 0.0000,

169.8648, 80.9586

0.0000

233.2561,
209.4074, 106.3389

27.2262, 20.5085,
3.0138

27.2262, 20.5085,
3.0138

26.3616, 18.9293,
2.2643

28.5115, 22.7291,
4.5220

30.0976, 25.2900,
6.9354

32.0132, 28.2111,
10.3796

34.2825, 31.5093,
14.9601

36.9269, 35.1998,
20.7690

■ 39.9660, 39.2972,
27.8886

■ 43.4178, 43.8149,
36.3944

■ 47.2990, 48.7658,
46.3559

■ 51.6254, 54.1618,
57.8378

Harmonies

Analogous

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



33.6367, 20.5085, 8.5263



27.2262, 20.5085, 3.0138



19.7644, 20.5085, 1.7869

Triad

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



27.2262, 20.5085, 3.0138



8.9815, 20.5085, 21.5648



26.6452, 20.5085, 75.1556

Complementary

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



27.2262, 20.5085, 3.0138



16.1947, 16.1300, 54.4841

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.



19.2236, 20.5085, 86.2628



27.2262, 20.5085, 3.0138



10.0011, 20.5085, 46.2316

Square

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



27.2262, 20.5085, 3.0138



10.1754, 20.5085, 7.8396



13.3827, 20.5085, 73.4298



33.2492, 20.5085, 48.4449

Rectangle

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



27.2262, 20.5085, 3.0138



15.5023, 20.5085, 2.1919



13.3827, 20.5085, 73.4298



24.1151, 20.5085, 81.3509

Sweetspot

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



27.2266, 20.5096, 3.0142



74.4385, 73.8813, 55.4651



26.0448, 13.3443, 17.4232



15.3733, 15.0733, 10.5175



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.



27.2266, 20.5096, 3.0142



47.5052, 33.7904, 4.0184



40.6287, 47.3137, 7.4815



10.4427, 10.8169, 10.5993



17.0224, 12.3306, 1.4829



0.8043, 0.6704, 0.0870

Inverse Universe

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



16.1947, 16.1300, 54.4841



27.2578, 25.6355, 98.1193



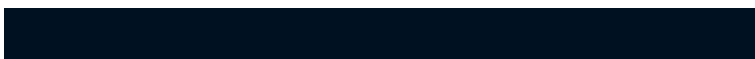
10.5253, 4.7912, 52.5943



9.9725, 10.6362, 12.8122



9.8479, 9.4523, 34.8620



0.4937, 0.5448, 1.5290

Previews

White Background



This preview shows how the XYZ color 27.2262, 20.5085, 3.0138 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 27.2262, 20.5085, 3.0138 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 27.2262, 20.5085, 3.0138

Background



This preview shows how black text looks on a background with the XYZ color 27.2262, 20.5085, 3.0138.



This preview shows how white text looks on a background with the XYZ color 27.2262, 20.5085,

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

27.2262, 20.5085, 3.0138

Protanopia

18.6102, 20.6504, 3.8692

Deuteranopia

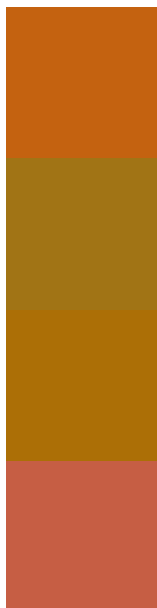
20.8949, 20.5646, 2.8681



Tritanopia

29.4989, 20.5061, 13.9586

Trichromacy



Original Color

27.2262, 20.5085, 3.0138

Protanomaly

21.0787, 20.1220, 3.4824

Deuteranomaly

22.7306, 20.1527, 2.8641

Tritanomaly

28.3348, 20.4285, 7.9185

Monochromacy



Original Color

27.2262, 20.5085, 3.0138

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.0237, 18.0740, 10.2705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2262, 20.5085, 3.0138 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(196, 98, 16)` looks like.

```
.text, #text, p{  
    color:rgb(196, 98, 16)  
}
```

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(196, 98, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 98, 16) }
```

Border

The CSS property to change the border of an element to XYZ 27.2262, 20.5085, 3.0138 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(196, 98, 16) }
```


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

```
.border{ border-color:rgb(196, 98, 16) }
```

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

Here you see how a box with a 4 pixel rgb(196, 98, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 98, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 98, 16);  
box-shadow:4px 4px 4px 4px rgb(196, 98,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2262, 20.5085, 3.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 98, 16) }
```

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

```
.background{ background-color: rgb(196, 98,  
16) }
```

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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