

Converting Colors

XYZ(30.1070, 22.1658, 5.7847)

Have a look what the booklet for
XYZ(30.1070, 22.1658, 5.7847)
contains.

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Color

**XYZ(30.0566, 22.1907,
5.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6433
RGB	204, 100, 51
RGB Percent	80%, 39%, 20%
CMY	0.2000, 0.6078, 0.8000
CMYK	0.00, 0.51, 0.75, 0.20
HSL	19°, 60%, 50%
HSV	19°, 75%, 80%
XYZ	30.0566, 22.1907, 5.8311
YIQ	125.5100, 77.7130, 6.8090

Conversions

Conversions Part 2

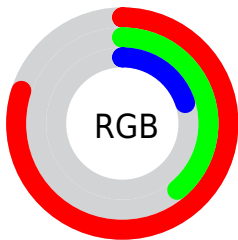
Format	Color
RYB	204, 123, 51
Decimal	13394995
CIELab	54.23, 37.94, 45.70
CIElCh	54, 59.392, 50.302
Yxy	22.1907, 0.5175, 0.3821
Android (android.graphics.Color)	4291585075 (0xFFCC6433)
YUV	125.5100, -36.7334, 68.8357
Hunter-Lab	47.1070, 31.4546, 25.6357

Details

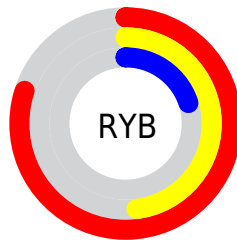
The XYZ color **30.0566, 22.1907, 5.8311** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.9849, 28.5046, 61.3643**, and the grayscale version is **19.7677, 20.7972, 22.6481**.

A 20% lighter version of the original color is **54.9315, 44.9626, 17.8400**, and **12.4738, 8.1230, 0.9392** is the 20% darker color. If you saturate the color by 10%, you get **28.4829, 19.6122, 3.5533**, and if you desaturate by 10%, it is **32.0549, 25.3033, 9.2236**.

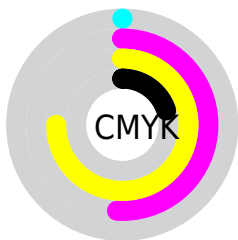
Distribution



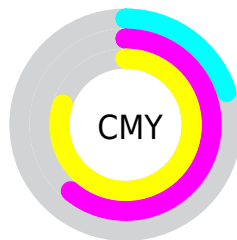
- Red (80%)
- Green (39%)
- Blue (20%)



- Red (80%)
- Yellow (48%)
- Blue (20%)



- Cyan (0%)
- Magenta (51%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (61%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0566, 22.1907, 5.8311 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 30.0566, 22.1907, 5.8311 by changing the saturation by 10% instead.


 30.0566, 22.1907,
5.8311


 30.0566, 22.1907,
5.8311


294.0733,
263.5405, 166.8076

 20.0298, 13.9971,
2.6755


 59.1377, 47.0610,
18.0509

 12.5251, 8.1186,
0.9311


 78.9227, 64.5064,
27.9522

 7.1771, 4.1710,
0.0000


 102.6912, 85.8046,
40.9391

 3.6204, 1.7696,
0.0000

 130.8086,
111.3400, 57.4303

 1.4897, 0.4681,
0.0000

 163.6401,
141.4968, 77.8441

 0.3188, 0.0000,
0.0000

 201.5511,

 0.0000, 0.0000,

176.6596, 102.5993

0.0000

244.9071,
217.2127, 132.1142

■ 30.0566, 22.1907,
5.8311

■ 30.0566, 22.1907,
5.8311

■ 28.4829, 19.6122,
3.5533

■ 32.0549, 25.3033,
9.2236

■ 27.2928, 17.5300,
2.2381

■ 34.5099, 28.9767,
13.8541

■ 26.8116, 16.6571,
1.8020

■ 37.4518, 33.2401,
19.8303

■ 40.9077, 38.1193,
27.2480

■ 44.9022, 43.6385,
36.1942

■ 49.4587, 49.8204,
46.7489

■ 54.5988, 56.6869,
58.9863

■ 60.3430, 64.2584,
72.9762

■ 66.7108, 72.5548,
88.7843

Harmonies

Analogous

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



35.0089, 22.1907, 13.8060



30.0566, 22.1907, 5.8311



23.2528, 22.1907, 3.3293

Triad

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



30.0566, 22.1907, 5.8311



11.0685, 22.1907, 18.6538



25.6989, 22.1907, 75.2001

Complementary

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



30.0566, 22.1907, 5.8311



23.9849, 28.5046, 61.3643

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.



19.0686, 22.1907, 78.8839



30.0566, 22.1907, 5.8311



11.4593, 22.1907, 38.7167

Square

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



30.0566, 22.1907, 5.8311



12.9090, 22.1907, 7.8239



14.1141, 22.1907, 63.1415



32.1582, 22.1907, 54.7303

Rectangle

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



30.0566, 22.1907, 5.8311



18.9484, 22.1907, 3.3467



14.1141, 22.1907, 63.1415



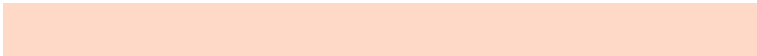
23.3906, 22.1907, 78.7408

Sweetspot

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



30.0571, 22.1919, 5.8315



76.3162, 74.9368, 64.4139



32.0484, 17.5902, 32.9594



15.9115, 15.4616, 12.8180



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.



30.0571, 22.1919, 5.8315



45.8835, 30.2575, 4.3702



41.0149, 44.1074, 9.4841



11.5008, 11.7905, 11.7491



16.9507, 10.6343, 1.1592



0.9431, 0.6859, 0.0827

Inverse Universe

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



23.9849, 28.5046, 61.3643



35.0875, 40.6814, 100.6107



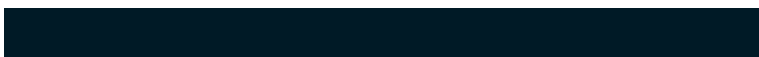
15.0641, 10.6629, 58.3907



11.2285, 12.0975, 14.3136



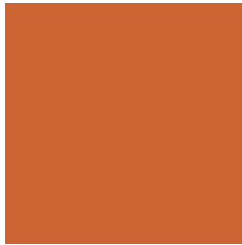
12.7274, 14.4788, 38.0802



0.7233, 0.8803, 1.9867

Previews

White Background



This preview shows how the XYZ color 30.0566, 22.1907, 5.8311 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 30.0566, 22.1907, 5.8311 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 30.0566, 22.1907, 5.8311

Background



This preview shows how black text looks on a background with the XYZ color 30.0566, 22.1907, 5.8311.



This preview shows how white text looks on a background with the XYZ color 30.0566, 22.1907,

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

30.0566, 22.1907, 5.8311

Protanopia

20.2998, 22.2208, 7.4941

Deuteranopia

22.7856, 22.3913, 5.6036



Tritanopia

31.8053, 22.0668, 14.8949

Trichromacy



Original Color

30.0566, 22.1907, 5.8311

Protanomaly

23.0612, 21.5961, 6.8239

Deuteranomaly

25.0039, 21.9317, 5.6047

Tritanomaly

30.9210, 21.9694, 10.7944

Monochromacy



Original Color

30.0566, 22.1907, 5.8311

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.9398, 20.4935, 14.6037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0566, 22.1907, 5.8311 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, 100, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 100, 51)  
}
```

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, 100, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 100, 51) }
```

Border

The CSS property to change the border of an element to XYZ 30.0566, 22.1907, 5.8311 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, 100, 51) }
```


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

```
.border{ border-color:rgb(204, 100, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 100, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 100, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 100, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 100,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0566, 22.1907, 5.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 100, 51) }
```

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

```
.background{ background-color: rgb(204,  
100, 51) }
```

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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