

Converting Colors

XYZ(30.9833, 22.8118, 5.9021)

Have a look what the booklet for
XYZ(30.9833, 22.8118, 5.9021)
contains.

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Color

**XYZ(30.9833, 22.8118,
5.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	CF6533
RGB	207, 101, 51
RGB Percent	81%, 40%, 20%
CMY	0.1882, 0.6039, 0.8000
CMYK	0.00, 0.51, 0.75, 0.19
HSL	19°, 62%, 51%
HSV	19°, 75%, 81%
XYZ	30.9833, 22.8118, 5.9021
YIQ	126.9940, 79.2260, 6.9220

Conversions

Conversions Part 2

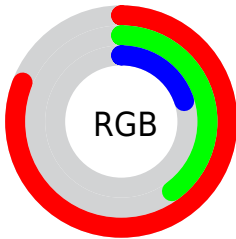
Format	Color
RYB	207, 125, 51
Decimal	13591859
CIELab	54.88, 38.60, 46.51
CIELCh	55, 60.445, 50.308
Yxy	22.8118, 0.5190, 0.3821
Android (android.graphics.Color)	4291781939 (0xFFCF6533)
YUV	126.9940, -37.4650, 70.1653
Hunter-Lab	47.7617, 32.2110, 26.1065

Details

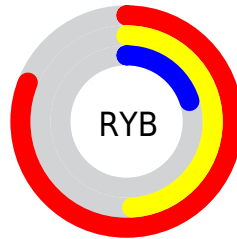
The XYZ color **30.9833, 22.8118, 5.9021** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.6836, 29.3206, 63.3893**, and the grayscale version is **20.2771, 21.3331, 23.2317**.

A 20% lighter version of the original color is **55.0959, 45.2913, 17.8948**, and **12.9947, 8.3922, 0.9350** is the 20% darker color. If you saturate the color by 10%, you get **29.3736, 20.1677, 3.5932**, and if you desaturate by 10%, it is **33.0308, 26.0071, 9.3589**.

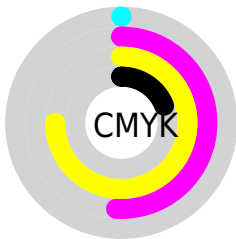
Distribution



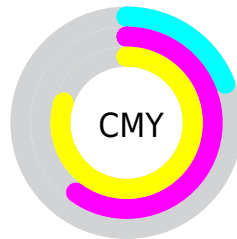
- Red (81%)
- Green (40%)
- Blue (20%)



- Red (81%)
- Yellow (49%)
- Blue (20%)



- Cyan (0%)
- Magenta (51%)
- Yellow (75%)
- Black (19%)





- Cyan (19%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9833, 22.8118, 5.9021 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 30.9833, 22.8118, 5.9021 by changing the saturation by 10% instead.


 30.9833, 22.8118,
5.9021


 30.9833, 22.8118,
5.9021


298.2896,
266.7569, 167.4699

 20.7379, 14.4546,
2.7178


 60.5898, 48.0841,
18.2015


 13.0439, 8.4375,
0.9524


 80.6816, 65.7680,
28.1537

 7.5360, 4.3762,
0.0000


 104.7863, 87.3296,
41.1989

 3.8488, 1.8861,
0.0000

 133.2691,
113.1533, 57.7558

 1.6170, 0.5400,
0.0000

 166.4955,
143.6235, 78.2428

 0.4034, 0.0000,
0.0000

 204.8308,

 0.0000, 0.0000,

179.1246, 103.0784

0.0000

248.6404,
220.0409, 132.6813

■ 30.9833, 22.8118,
5.9021

■ 30.9833, 22.8118,
5.9021

■ 29.3736, 20.1677,
3.5932

■ 33.0308, 26.0071,
9.3589

■ 28.1590, 18.0354,
2.2728

■ 35.5494, 29.7814,
14.0922

■ 27.7008, 17.2032,
1.8606

■ 38.5708, 34.1650,
20.2143

■ 42.1230, 39.1847,
27.8249

■ 46.2317, 44.8656,
37.0144

■ 50.9210, 51.2313,
47.8659

■ 56.2135, 58.3045,
60.4566

■ 62.1304, 66.1063,
74.8590

■ 68.6920, 74.6574,
91.1413

Harmonies

Analogous

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



36.1293, 22.8118, 14.1165



30.9833, 22.8118, 5.9021



23.9214, 22.8118, 3.3422

Triad

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



30.9833, 22.8118, 5.9021



11.3095, 22.8118, 19.1358



26.4623, 22.8118, 77.9177

Complementary

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



30.9833, 22.8118, 5.9021



24.6836, 29.3206, 63.3893

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.



19.5868, 22.8118, 81.7618



30.9833, 22.8118, 5.9021



11.7135, 22.8118, 39.9520

Square

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



30.9833, 22.8118, 5.9021



13.2102, 22.8118, 7.9522



14.4577, 22.8118, 65.3635



33.1690, 22.8118, 56.5958

Rectangle

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



30.9833, 22.8118, 5.9021



19.4596, 22.8118, 3.3603



14.4577, 22.8118, 65.3635



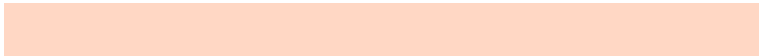
24.0674, 22.8118, 81.6094

Sweetspot

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



30.9838, 22.8130, 5.9025



75.5825, 73.9390, 62.7217



33.0529, 18.0879, 33.9167



15.6246, 15.0688, 12.1645



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.



30.9838, 22.8130, 5.9025



45.8891, 30.2687, 4.3721



42.3294, 45.5043, 9.6844



12.1137, 12.4181, 12.3705



17.5292, 10.9914, 1.1977



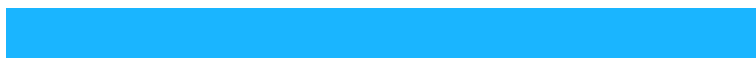
1.0514, 0.7572, 0.0907

Inverse Universe

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



24.6836, 29.3206, 63.3893



35.0754, 40.6572, 100.6067



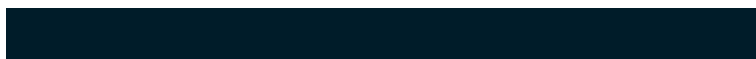
15.4672, 10.8879, 60.3172



11.8256, 12.7414, 15.0797



13.1528, 14.9523, 39.3853



0.8054, 0.9761, 2.2255

Previews

White Background



This preview shows how the XYZ color 30.9833, 22.8118, 5.9021 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 30.9833, 22.8118, 5.9021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

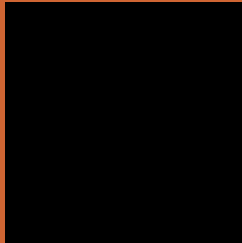
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9833, 22.8118, 5.9021

Background



This preview shows how black text looks on a background with the XYZ color 30.9833, 22.8118, 5.9021.



This preview shows how white text looks on a background with the XYZ color 30.9833, 22.8118,

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

30.9833, 22.8118, 5.9021

Protanopia

20.9209, 22.9398, 7.6001

Deuteranopia

23.3053, 22.8484, 5.5647



Tritanopia

32.7850, 22.6990, 15.2238

Trichromacy



Original Color

30.9833, 22.8118, 5.9021

Protanomaly

23.7243, 22.2950, 6.9238

Deuteranomaly

25.5809, 22.3993, 5.6646

Tritanomaly

31.8485, 22.5838, 10.8641

Monochromacy



Original Color

30.9833, 22.8118, 5.9021

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.4409, 20.9256, 14.6607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9833, 22.8118, 5.9021 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(207, 101, 51)` looks like.

```
.text, #text, p{  
    color:rgb(207, 101, 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(207, 101, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 101, 51) }
```

Border

The CSS property to change the border of an element to XYZ 30.9833, 22.8118, 5.9021 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(207, 101, 51) }
```


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

```
.border{ border-color:rgb(207, 101, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 101, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 101, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 101, 51);  
box-shadow:4px 4px 4px 4px rgb(207, 101,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9833, 22.8118, 5.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 101, 51) }
```

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

```
.background{ background-color: rgb(207,  
101, 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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