

Converting Colors

XYZ(29.9338, 22.0280, 5.5360)

Have a look what the booklet for
XYZ(29.9338, 22.0280, 5.5360)
contains.

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Color

**XYZ(29.9181, 21.9828,
5.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6331
RGB	204, 99, 49
RGB Percent	80%, 39%, 19%
CMY	0.2000, 0.6117, 0.8078
CMYK	0.00, 0.51, 0.76, 0.20
HSL	19°, 61%, 50%
HSV	19°, 76%, 80%
XYZ	29.9181, 21.9828, 5.5720
YIQ	124.6950, 78.6300, 6.7100

Conversions

Conversions Part 2

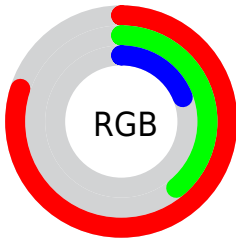
Format	Color
RYB	204, 123, 49
Decimal	13394737
CIELab	54.01, 38.36, 46.45
CIELCh	54, 60.244, 50.450
Yxy	21.9828, 0.5206, 0.3825
Android (android.graphics.Color)	4291584817 (0xFFCC6331)
YUV	124.6950, -37.3176, 69.5505
Hunter-Lab	46.8858, 31.8517, 25.7739

Details

The XYZ color **29.9181, 21.9828, 5.5720** 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 **23.7205, 28.1221, 61.3044**, and the grayscale version is **19.4941, 20.5093, 22.3346**.

A 20% lighter version of the original color is **54.6728, 44.5983, 17.2820**, and **12.3846, 7.9535, 0.8824** is the 20% darker color. If you saturate the color by 10%, you get **28.3819, 19.4507, 3.3952**, and if you desaturate by 10%, it is **31.8741, 25.0433, 8.8497**.

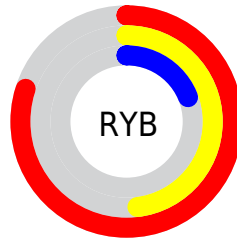
Distribution



Red (80%)

Green (39%)

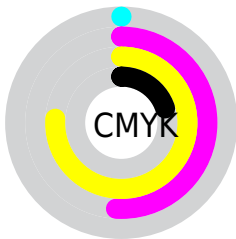
Blue (19%)



Red (80%)

Yellow (48%)

Blue (19%)

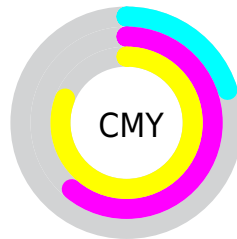


Cyan (0%)

Magenta (51%)

Yellow (76%)

Black (20%)



Cyan (20%)


Magenta (61%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9181, 21.9828, 5.5720 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 29.9181, 21.9828, 5.5720 by changing the saturation by 10% instead.


 29.9181, 21.9828,
5.5720


 29.9181, 21.9828,
5.5720


293.4392,
262.4564, 164.3593


 19.9242, 13.8443,
2.5221


 58.9202, 46.7176,
17.4979

 12.4479, 8.0124,
0.8518


 78.6590, 64.0826,
27.2110


 7.1238, 4.1029,
0.0000


 102.3769, 85.2919,
39.9822

 3.5867, 1.7313,
0.0000

 130.4392,
110.7299, 56.2301

 1.4711, 0.4438,
0.0000

 163.2112,
140.7809, 76.3733

 0.3060, 0.0000,
0.0000

 201.0583,

 0.0000, 0.0000,

175.8294, 100.8301

0.0000

244.3458,
216.2598, 130.0193

■ 29.9181, 21.9828,
5.5720

■ 29.9181, 21.9828,
5.5720

■ 28.3819, 19.4507,
3.3952

■ 31.8741, 25.0433,
8.8497

■ 27.2235, 17.4089,
2.1609

■ 34.2822, 28.6590,
13.3535

■ 26.8391, 16.7120,
1.8112

■ 37.1730, 32.8591,
19.1927

■ 40.5735, 37.6693,
26.4639

■ 44.5088, 43.1138,
35.2547

■ 49.0019, 49.2153,
45.6459

■ 54.0748, 55.9955,
57.7121

■ 59.7478, 63.4749,
71.5235

■ 66.0405, 71.6731,
87.1462

Harmonies

Analogous

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



34.9492, 21.9828, 13.4706



29.9181, 21.9828, 5.5720



23.0397, 21.9828, 3.1345

Triad

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



29.9181, 21.9828, 5.5720



10.8237, 21.9828, 18.4682



25.5782, 21.9828, 75.6671

Complementary

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



29.9181, 21.9828, 5.5720



23.7205, 28.1221, 61.3044

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.



18.8858, 21.9828, 79.5259



29.9181, 21.9828, 5.5720



11.2253, 21.9828, 38.7674

Square

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



29.9181, 21.9828, 5.5720



12.6541, 21.9828, 7.5992



13.8958, 21.9828, 63.5682



32.1045, 21.9828, 54.7767

Rectangle

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



29.9181, 21.9828, 5.5720



18.7055, 21.9828, 3.1598



13.8958, 21.9828, 63.5682



23.2468, 21.9828, 79.3086

Sweetspot

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



29.9186, 21.9840, 5.5724



75.6133, 74.0007, 62.7320



31.9095, 17.3978, 32.6501



15.6320, 15.0835, 12.1669



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.



29.9186, 21.9840, 5.5724



45.7444, 30.0221, 4.1918



40.8999, 43.9466, 9.2328



11.5029, 11.7948, 11.7498



16.9683, 10.6696, 1.1651



0.9442, 0.6881, 0.0831

Inverse Universe

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



23.7205, 28.1221, 61.3044



34.7511, 40.0994, 100.5161



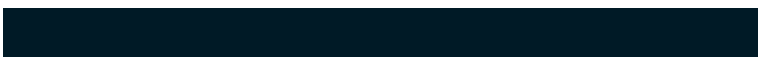
14.8490, 10.3791, 58.3472



11.2263, 12.0930, 14.3129



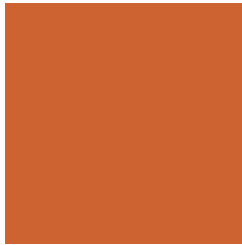
12.6847, 14.3934, 38.0659



0.7213, 0.8764, 1.9861

Previews

White Background



This preview shows how the XYZ color 29.9181, 21.9828, 5.5720 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 29.9181, 21.9828, 5.5720 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 29.9181, 21.9828, 5.5720

Background



This preview shows how black text looks on a background with the XYZ color 29.9181, 21.9828, 5.5720.



This preview shows how white text looks on a background with the XYZ color 29.9181, 21.9828,

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

29.9181, 21.9828, 5.5720

Protanopia

20.2480, 22.2000, 7.2208

Deuteranopia

22.4012, 22.0145, 5.2590



Tritanopia

31.6682, 21.8706, 14.6089

Trichromacy



Original Color

29.9181, 21.9828, 5.5720

Protanomaly

23.0123, 21.5765, 6.5662

Deuteranomaly

24.6224, 21.5712, 5.3485

Tritanomaly

30.7542, 21.7576, 10.3633

Monochromacy



Original Color

29.9181, 21.9828, 5.5720

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.7295, 20.2239, 14.0676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9181, 21.9828, 5.5720 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, 99, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 99, 49)  
}
```

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, 99, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 99, 49) }
```

Border

The CSS property to change the border of an element to XYZ 29.9181, 21.9828, 5.5720 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, 99, 49) }
```


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

```
.border{ border-color:rgb(204, 99, 49) }
```

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

Here you see how a box with a 4 pixel rgb(204, 99, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 99, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 99, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 99,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9181, 21.9828, 5.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 99, 49) }
```

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

```
.background{ background-color: rgb(204, 99,  
49) }
```

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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