

Converting Colors

XYZ(30.9249, 23.9964, 5.9076)

Have a look what the booklet for
XYZ(30.9249, 23.9964, 5.9076)
contains.

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Color

**XYZ(30.9249, 23.9964,
5.9076)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6D31
RGB	204, 109, 49
RGB Percent	80%, 43%, 19%
CMY	0.2000, 0.5725, 0.8078
CMYK	0.00, 0.47, 0.76, 0.20
HSL	23°, 61%, 50%
HSV	23°, 76%, 80%
XYZ	30.9249, 23.9964, 5.9076
YIQ	130.5650, 75.8800, 1.4800

Conversions

Conversions Part 2

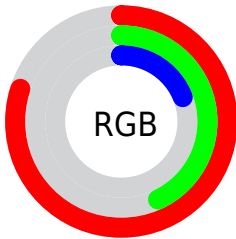
Format	Color
R_{YB}	204, 147, 49
Decimal	13397297
CIE _{Lab}	56.08, 33.19, 48.57
CIE _{LCh}	56, 58.825, 55.654
Yxy	23.9964, 0.5084, 0.3945
Android (android.graphics.Color)	4291587377 (0xFFCC6D31)
YUV	130.5650, -40.2115, 64.4025
Hunter-Lab	48.9861, 26.9612, 27.1401

Details

The XYZ color **30.9249, 23.9964, 5.9076** 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 **22.1383, 24.9577, 60.7770**, and the grayscale version is **21.5388, 22.6605, 24.6772**.

A 20% lighter version of the original color is **56.4125, 48.0015, 18.0963**, and **13.0656, 9.0572, 1.0596** is the 20% darker color. If you saturate the color by 10%, you get **29.3476, 21.3820, 3.7171**, and if you desaturate by 10%, it is **32.8878, 27.0707, 9.1877**.

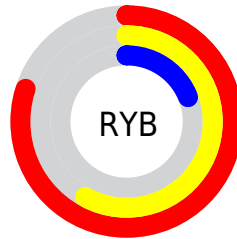
Distribution



Red (80%)

Green (43%)

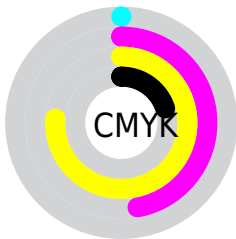
Blue (19%)



Red (80%)

Yellow (58%)

Blue (19%)

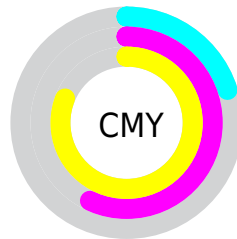


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (20%)



Cyan (20%)


Magenta (57%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9249, 23.9964, 5.9076 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 30.9249, 23.9964, 5.9076 by changing the saturation by 10% instead.


 30.9249, 23.9964,
5.9076


 30.9249, 23.9964,
5.9076


298.0252,
272.8023, 167.5210

 20.6932, 15.3310,
2.7211


 60.4985, 50.0243,
18.2132


 13.0111, 9.0520,
0.9540


 80.5710, 68.1556,
28.1693


 7.5133, 4.7751,
0.0000


 104.6546, 90.2109,
41.2190

 3.8343, 2.1159,
0.0000

 133.1146,
116.5747, 57.7809

 1.6088, 0.6736,
0.0000

 166.3163,
147.6313, 78.2736

 0.3981, 0.0000,
0.0000

 204.6251,

 0.0000, 0.0000,

183.7652, 103.1154

0.0000

248.4063,
225.3607, 132.7251

■ 30.9249, 23.9964,
5.9076

■ 30.9249, 23.9964,
5.9076

■ 29.3476, 21.3820,
3.7171

■ 32.8878, 27.0707,
9.1877

■ 28.1171, 19.1961,
2.4588

■ 35.2654, 30.6254,
13.6813

■ 27.6958, 18.4256,
2.0968

■ 38.0855, 34.6840,
19.4969

■ 41.3725, 39.2671,
26.7303

■ 45.1489, 44.3940,
35.4682

■ 49.4357, 50.0828,
45.7906

■ 54.2525, 56.3509,
57.7715

■ 59.6178, 63.2148,
71.4803

■ 65.5492, 70.6904,
86.9826

Harmonies

Analogous

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



36.5913, 23.9964, 13.1325



30.9249, 23.9964, 5.9076



23.8036, 23.9964, 3.8471

Triad

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



30.9249, 23.9964, 5.9076



12.1759, 23.9964, 23.4164



28.8885, 23.9964, 75.8684

Complementary

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



30.9249, 23.9964, 5.9076



22.1383, 24.9577, 60.7770

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.



21.8403, 23.9964, 83.3269



30.9249, 23.9964, 5.9076



13.0101, 23.9964, 45.7062

Square

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



30.9249, 23.9964, 5.9076



13.6970, 23.9964, 10.2886



16.2521, 23.9964, 70.2893



35.2625, 23.9964, 53.1461

Rectangle

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



30.9249, 23.9964, 5.9076



19.4879, 23.9964, 4.2120



16.2521, 23.9964, 70.2893



26.4849, 23.9964, 80.6066

Sweetspot

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



30.9254, 23.9977, 5.9080



76.5896, 75.9533, 63.0574



31.0789, 17.0656, 28.2761



15.8651, 15.5498, 12.2447



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.



30.9254, 23.9977, 5.9080



47.2752, 33.0837, 4.7021



42.9975, 48.1417, 9.9320



11.5625, 11.9140, 11.7696



17.5163, 11.7656, 1.3478



0.9767, 0.7531, 0.0939

Inverse Universe

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



22.1383, 24.9577, 60.7770



31.8874, 34.3719, 99.5615



14.1780, 9.0371, 58.1235



11.1644, 11.9693, 14.2922



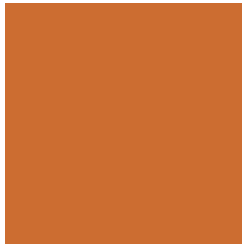
11.5705, 12.1650, 37.6945



0.6692, 0.7721, 1.9687

Previews

White Background



This preview shows how the XYZ color 30.9249, 23.9964, 5.9076 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 30.9249, 23.9964, 5.9076 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 30.9249, 23.9964, 5.9076

Background



This preview shows how black text looks on a background with the XYZ color 30.9249, 23.9964, 5.9076.



This preview shows how white text looks on a background with the XYZ color 30.9249, 23.9964,

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

30.9249, 23.9964, 5.9076

Protanopia

21.9555, 24.0975, 7.2355

Deuteranopia

24.5174, 24.0478, 5.6350



Tritanopia

33.3968, 24.0917, 17.6418

Trichromacy



Original Color

30.9249, 23.9964, 5.9076

Protanomaly

24.6810, 23.7248, 6.6467

Deuteranomaly

26.6024, 23.8093, 5.6762

Tritanomaly

32.2666, 23.9295, 12.1507

Monochromacy



Original Color

30.9249, 23.9964, 5.9076

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.5325, 22.3746, 15.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9249, 23.9964, 5.9076 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, 109, 49)` looks like.

```
.text, #text, p{  
    color:rgb(204, 109, 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, 109, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 109, 49) }
```

Border

The CSS property to change the border of an element to XYZ 30.9249, 23.9964, 5.9076 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, 109, 49) }
```


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

```
.border{ border-color:rgb(204, 109, 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, 109, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 109, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 109, 49);  
box-shadow:4px 4px 4px 4px rgb(204, 109,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9249, 23.9964, 5.9076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 109, 49) }
```

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

```
.background{ background-color: rgb(204,  
109, 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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