

Converting Colors

XYZ(29.7127, 21.5031, 5.7164)

Have a look what the booklet for
XYZ(29.7127, 21.5031, 5.7164)
contains.

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Color

**XYZ(29.6823, 21.4421,
5.7063)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6033
RGB	204, 96, 51
RGB Percent	80%, 38%, 20%
CMY	0.2000, 0.6235, 0.8000
CMYK	0.00, 0.53, 0.75, 0.20
HSL	18°, 60%, 50%
HSV	18°, 75%, 80%
XYZ	29.6823, 21.4421, 5.7063
YIQ	123.1620, 78.8130, 8.9010

Conversions

Conversions Part 2

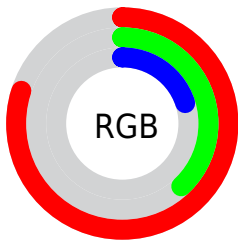
Format	Color
RYB	204, 115, 51
Decimal	13393971
CIELab	53.43, 39.96, 44.86
CIElCh	53, 60.078, 48.308
Yxy	21.4421, 0.5223, 0.3773
Android (android.graphics.Color)	4291584051 (0xFFCC6033)
YUV	123.1620, -35.5759, 70.8949
Hunter-Lab	46.3056, 33.3852, 25.1075

Details

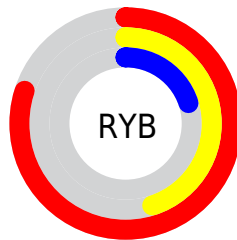
The XYZ color **29.6823, 21.4421, 5.7063** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.6616, 29.8579, 61.5899**, and the grayscale version is **18.9765, 19.9648, 21.7416**.

A 20% lighter version of the original color is **54.2877, 43.6750, 17.6254**, and **12.2770, 7.7208, 0.9006** is the 20% darker color. If you saturate the color by 10%, you get **28.1316, 18.9097, 3.4362**, and if you desaturate by 10%, it is **31.6718, 24.5370, 9.0959**.

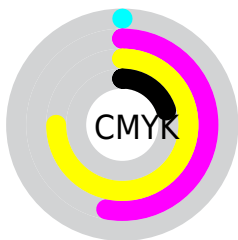
Distribution



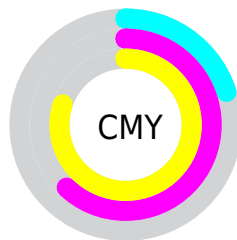
- Red (80%)
- Green (38%)
- Blue (20%)



- Red (80%)
- Yellow (45%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (62%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6823, 21.4421, 5.7063 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 29.6823, 21.4421, 5.7063 by changing the saturation by 10% instead.


 29.6823, 21.4421,
5.7063


 29.6823, 21.4421,
5.7063


292.3572,
259.6188, 165.6346


 19.7444, 13.4475,
2.6014


 58.5495, 45.8222,
17.7852

 12.3166, 7.7374,
0.8932


 78.2095, 62.9765,
27.5963


 7.0334, 3.9274,
0.0000


 101.8410, 83.9528,
40.4800

 3.5295, 1.6330,
0.0000

 129.8092,
109.1355, 56.8546

 1.4396, 0.3797,
0.0000

 162.4796,
138.9091, 77.1389

 0.2842, 0.0000,
0.0000

 200.2175,

 0.0000, 0.0000,

173.6579, 101.7513

0.0000

243.3883,
213.7663, 131.1103

■ 29.6823, 21.4421,
5.7063

■ 29.6823, 21.4421,
5.7063

■ 28.1316, 18.9097,
3.4362

■ 31.6718, 24.5370,
9.0959

■ 26.9772, 16.8988,
2.1329

■ 34.1338, 28.2245,
13.7286

■ 26.5180, 16.0698,
1.7041

■ 37.0998, 32.5361,
19.7129

■ 40.5982, 37.5003,
27.1447

■ 44.6548, 43.1435,
36.1116

■ 49.2939, 49.4908,
46.6937

■ 54.5382, 56.5657,
58.9659

■ 60.4092, 64.3909,
72.9980

■ 66.9272, 72.9877,
88.8562

Harmonies

Analogous

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



34.3946, 21.4421, 13.9541



29.6823, 21.4421, 5.7063



22.9699, 21.4421, 3.0704

Triad

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



29.6823, 21.4421, 5.7063



10.5688, 21.4421, 16.9233



24.4839, 21.4421, 75.1453

Complementary

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



29.6823, 21.4421, 5.7063



24.6616, 29.8579, 61.5899

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.



17.9926, 21.4421, 77.4575



29.6823, 21.4421, 5.7063



10.8072, 21.4421, 36.2211

Square

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



29.6823, 21.4421, 5.7063



12.5200, 21.4421, 6.9028



13.2579, 21.4421, 60.6616



30.9880, 21.4421, 55.3998

Rectangle

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



29.6823, 21.4421, 5.7063



18.6575, 21.4421, 2.9782



13.2579, 21.4421, 60.6616



22.2056, 21.4421, 78.2621

Sweetspot

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



29.6828, 21.4433, 5.7067



75.9401, 74.1847, 64.2886



32.4879, 17.7660, 35.2736



15.8237, 15.2860, 12.7887



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.



29.6828, 21.4433, 5.7067



45.3360, 29.1625, 4.1877



40.0339, 42.1456, 9.1570



11.4768, 11.7425, 11.7411



16.7617, 10.2563, 1.0962



0.9312, 0.6620, 0.0787

Inverse Universe

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



24.6616, 29.8579, 61.5899



36.3382, 43.1828, 101.0276



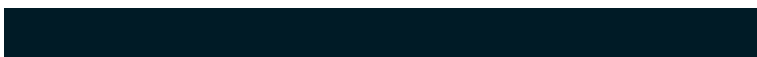
15.4464, 11.4276, 58.5182



11.2538, 12.1479, 14.3220



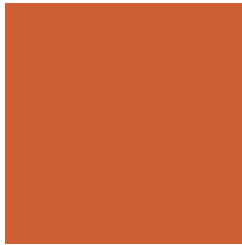
13.2206, 15.4652, 38.2446



0.7458, 0.9254, 1.9942

Previews

White Background



This preview shows how the XYZ color 29.6823, 21.4421, 5.7063 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 29.6823, 21.4421, 5.7063 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 29.6823, 21.4421, 5.7063

Background



This preview shows how black text looks on a background with the XYZ color 29.6823, 21.4421, 5.7063.



This preview shows how white text looks on a background with the XYZ color 29.6823, 21.4421,

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

29.6823, 21.4421, 5.7063

Protanopia

19.7168, 21.5260, 7.5306

Deuteranopia

21.9114, 21.5745, 5.3923



Tritanopia

31.3524, 21.4670, 13.8004

Trichromacy



Original Color

29.6823, 21.4421, 5.7063

Protanomaly

22.5010, 20.7855, 6.6970

Deuteranomaly

24.3227, 21.2456, 5.5082

Tritanomaly

30.5392, 21.3870, 10.1079

Monochromacy



Original Color

29.6823, 21.4421, 5.7063

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.0117, 19.3487, 13.9365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6823, 21.4421, 5.7063 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, 96, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 96, 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, 96, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 96, 51) }
```

Border

The CSS property to change the border of an element to XYZ 29.6823, 21.4421, 5.7063 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, 96, 51) }
```


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

```
.border{ border-color:rgb(204, 96, 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, 96, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 96, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 96, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 96,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6823, 21.4421, 5.7063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 96, 51) }
```

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

```
.background{ background-color: rgb(204, 96,  
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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