

Converting Colors

XYZ(29.2609, 21.0678, 4.7517)

Have a look what the booklet for
XYZ(29.2609, 21.0678, 4.7517)
contains.

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Color

**XYZ(29.4120, 21.1890,
4.7302)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5F2A
RGB	204, 95, 42
RGB Percent	80%, 37%, 16%
CMY	0.2000, 0.6274, 0.8353
CMYK	0.00, 0.53, 0.79, 0.20
HSL	20°, 66%, 48%
HSV	20°, 79%, 80%
XYZ	29.4120, 21.1890, 4.7302
YIQ	121.5490, 81.9770, 6.6250

Conversions

Conversions Part 2

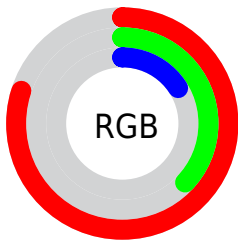
Format	Color
RYB	204, 121, 42
Decimal	13393706
CIELab	53.16, 40.11, 48.93
CIELCh	53, 63.265, 50.656
Yxy	21.1890, 0.5316, 0.3829
Android (android.graphics.Color)	4291583786 (0xFFCC5F2A)
YUV	121.5490, -39.2177, 72.3095
Hunter-Lab	46.0315, 33.4981, 26.1294

Details

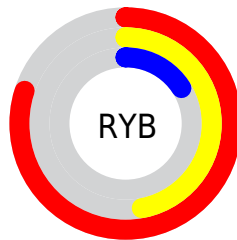
The XYZ color **29.4120, 21.1890, 4.7302** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **22.9196, 26.9832, 61.1266**, and the grayscale version is **18.4574, 19.4186, 21.1469**.

A 20% lighter version of the original color is **53.7182, 43.1951, 15.4038**, and **12.2284, 7.6410, 0.8304** is the 20% darker color. If you saturate the color by 10%, you get **28.0061, 18.8206, 2.8957**, and if you desaturate by 10%, it is **31.2224, 24.0697, 7.6158**.

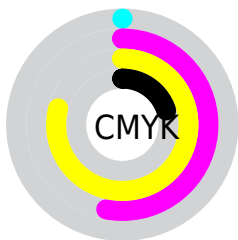
Distribution



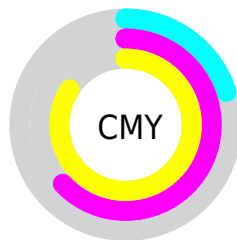
- Red (80%)
- Green (37%)
- Blue (16%)



- Red (80%)
- Yellow (47%)
- Blue (16%)



- Cyan (0%)
- Magenta (53%)
- Yellow (79%)
- Black (20%)





- Cyan (20%)
- Magenta (63%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4120, 21.1890, 4.7302 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 29.4120, 21.1890, 4.7302 by changing the saturation by 10% instead.


 29.4120, 21.1890,
4.7302


 29.4120, 21.1890,
4.7302


291.1132,
258.2812, 156.0253


 19.5386, 13.2622,
2.0339


 58.1241, 45.4019,
15.6616

 12.1664, 7.6094,
0.5760


 77.6934, 62.4568,
24.7338


 6.9301, 3.8460,
0.0000


 101.2254, 83.3231,
36.7683

 3.4644, 1.5878,
0.0000

 129.0855,
108.3854, 52.1837

 1.4038, 0.3494,
0.0000

 161.6390,
138.0279, 71.3986

 0.2589, 0.0000,
0.0000

 199.2512,

 0.0000, 0.0000,

172.6352, 94.8315

0.0000

242.2875,
212.5915, 122.9009

■ 29.4120, 21.1890,
4.7302

■ 29.4120, 21.1890,
4.7302

■ 28.0061, 18.8206,
2.8957

■ 31.2224, 24.0697,
7.6158

■ 26.9487, 16.9208,
1.8802

■ 33.4712, 27.4904,
11.6856

■ 26.8939, 16.8217,
1.8295

■ 36.1899, 31.4804,
17.0540

■ 39.4062, 36.0657,
23.8214

■ 43.1456, 41.2706,
32.0781

■ 47.4317, 47.1180,
41.9071

■ 52.2866, 53.6295,
53.3848

■ 57.7309, 60.8256,
66.5829

■ 63.7843, 68.7262,
81.5686

Harmonies

Analogous

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



34.6790, 21.1890, 12.3899



29.4120, 21.1890, 4.7302



22.2941, 21.1890, 2.4952

Triad

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



29.4120, 21.1890, 4.7302



9.9514, 21.1890, 17.6075



25.0101, 21.1890, 77.3196

Complementary

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



29.4120, 21.1890, 4.7302



22.9196, 26.9832, 61.1266

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.



18.1284, 21.1890, 81.5917



29.4120, 21.1890, 4.7302



10.3659, 21.1890, 38.6020

Square

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



29.4120, 21.1890, 4.7302



11.7613, 21.1890, 6.7425



13.0548, 21.1890, 64.7203



31.7731, 21.1890, 55.0637

Rectangle

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



29.4120, 21.1890, 4.7302



17.8602, 21.1890, 2.5285



13.0548, 21.1890, 64.7203



22.6049, 21.1890, 81.2532

Sweetspot

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



29.4125, 21.1902, 4.7306



74.9573, 73.1504, 61.0900



31.4547, 16.7833, 31.5890



15.5078, 14.9234, 11.8536



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.



29.4125, 21.1902, 4.7306



45.1394, 28.9451, 3.5802



40.5137, 43.3925, 8.4310



11.5071, 11.8032, 11.7512



17.0036, 10.7401, 1.1769



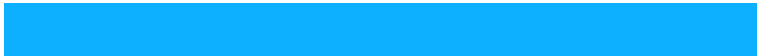
0.9464, 0.6925, 0.0838

Inverse Universe

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



22.9196, 26.9832, 61.1266



33.6860, 38.2510, 100.2155



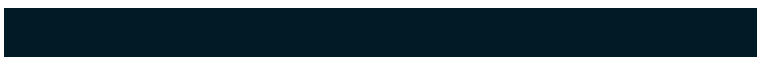
14.1520, 9.4481, 58.2041



11.2219, 12.0842, 14.3114



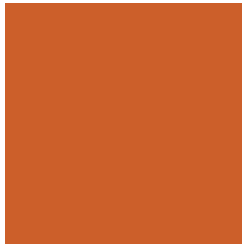
12.6010, 14.2260, 38.0380



0.7174, 0.8686, 1.9848

Previews

White Background



This preview shows how the XYZ color 29.4120, 21.1890, 4.7302 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 29.4120, 21.1890, 4.7302 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 29.4120, 21.1890, 4.7302

Background



This preview shows how black text looks on a background with the XYZ color 29.4120, 21.1890, 4.7302.



This preview shows how white text looks on a background with the XYZ color 29.4120, 21.1890,

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

29.4120, 21.1890, 4.7302

Protanopia

19.4720, 21.4281, 6.2417

Deuteranopia

21.6091, 21.2581, 4.4032



Tritanopia

31.0915, 21.0928, 13.2591

Trichromacy



Original Color

29.4120, 21.1890, 4.7302

Protanomaly

22.2959, 20.7035, 5.6174

Deuteranomaly

24.0171, 20.9458, 4.4462

Tritanomaly

30.2224, 20.9831, 9.2947

Monochromacy



Original Color

29.4120, 21.1890, 4.7302

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.7188, 19.0541, 12.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4120, 21.1890, 4.7302 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, 95, 42)` looks like.

```
.text, #text, p{  
    color:rgb(204, 95, 42)  
}
```

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, 95, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 95, 42) }
```

Border

The CSS property to change the border of an element to XYZ 29.4120, 21.1890, 4.7302 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, 95, 42) }
```


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

```
.border{ border-color:rgb(204, 95, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 95, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 95, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 95, 42);  
box-shadow:4px 4px 4px 4px rgb(204, 95,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4120, 21.1890, 4.7302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 95, 42) }
```

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

```
.background{ background-color: rgb(204, 95,  
42) }
```

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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