

Converting Colors

XYZ(29.0080, 19.4032, 1.3474)

Have a look what the booklet for
XYZ(29.0080, 19.4032, 1.3474)
contains.

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Color

**XYZ(29.3118, 19.5899,
2.2363)**

Conversions

Conversions Part 1

Format	Color
Hex	D15200
RGB	209, 82, 0
RGB Percent	82%, 32%, 0%
CMY	0.1804, 0.6784, 1.0000
CMYK	0.00, 0.61, 1.00, 0.18
HSL	24°, 100%, 41%
HSV	24°, 100%, 82%
XYZ	29.3118, 19.5899, 2.2363
YIQ	110.6250, 102.0140, 1.4220

Conversions

Conversions Part 2

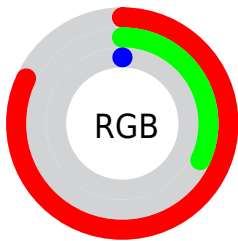
Format	Color
R_{YB}	209, 135, 0
Decimal	13718016
CIE _{Lab}	51.37, 47.42, 61.38
CIE _{LCh}	51, 77.567, 52.314
Yxy	19.5899, 0.5732, 0.3831
Android (android.graphics.Color)	4291908096 (0xFFD15200)
YUV	110.6250, -54.5381, 86.2749
Hunter-Lab	44.2605, 40.7570, 27.9867

Details

The XYZ color **29.3118, 19.5899, 2.2363** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **19.0972, 19.7807, 63.1327**, and the grayscale version is **15.1339, 15.9220, 17.3391**.

A 20% lighter version of the original color is **50.7463, 38.9249, 9.2535**, and **12.2235, 6.8498, 0.6779** is the 20% darker color. If you saturate the color by 10%, you get **29.3121, 19.5907, 2.2365**, and if you desaturate by 10%, it is **30.4947, 21.7408, 3.2939**.

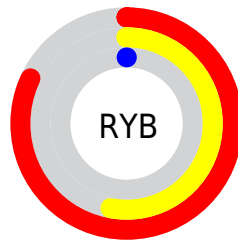
Distribution



Red (82%)

Green (32%)

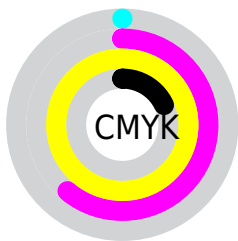
Blue (0%)



Red (82%)

Yellow (53%)

Blue (0%)

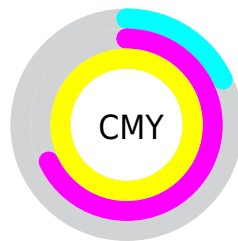


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3118, 19.5899, 2.2363 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 29.3118, 19.5899, 2.2363 by changing the saturation by 10% instead.


 29.3118, 19.5899,
2.2363

 29.3118, 19.5899,
2.2363


290.6510,
249.6863, 125.9444


 19.4623, 12.0973,
0.6952


 57.9662, 42.7285,
9.6773


 12.1108, 6.8100,
0.0000


 77.5019, 59.1434,
16.4386


 6.8919, 3.3435,
0.0000


 100.9970, 79.3011,
25.7850

 3.4403, 1.3136,
0.0000

 128.8168,
103.5860, 38.1352

 1.3907, 0.1517,
0.0000

 161.3268,
132.3826, 53.9077


 0.2496, 0.0000,
0.0000


 198.8922,


 0.0000, 0.0000,


166.0753, 73.5211

0.0000


 241.8785,
205.0483, 97.3938


 29.3118, 19.5899,
2.2363


 29.3118, 19.5899,
2.2363

 29.3121, 19.5907,
2.2365

 30.4947, 21.7408,
3.2939

 32.0089, 24.3214,
5.1795

 33.9125, 27.3692,
8.1546

 36.2399, 30.9109,
12.3625

 39.0213, 34.9703,
17.9243

■ 42.2834, 39.5696,
24.9463

■ 46.0508, 44.7293,
33.5242

■ 50.3462, 50.4688,
43.7454

■ 55.1906, 56.8067,
55.6909

Harmonies

Analogous

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



36.1150, 19.5899, 8.8717



29.3118, 19.5899, 2.2363



20.6874, 19.5899, 0.8179

Triad

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



29.3118, 19.5899, 2.2363



7.4018, 19.5899, 16.1100



24.8786, 19.5899, 90.3134

Complementary

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



29.3118, 19.5899, 2.2363



19.0972, 19.7807, 63.1327

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.



16.6944, 19.5899, 97.8854



29.3118, 19.5899, 2.2363



7.9462, 19.5899, 42.0157

Square

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



29.3118, 19.5899, 2.2363



9.1319, 19.5899, 4.4200



10.9065, 19.5899, 76.1658



33.0993, 19.5899, 59.5696

Rectangle

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



29.3118, 19.5899, 2.2363



15.6154, 19.5899, 0.8940



10.9065, 19.5899, 76.1658



21.9864, 19.5899, 96.2402

Sweetspot

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



29.3122, 19.5910, 2.2366



72.0083, 69.8586, 52.0720



30.2491, 15.1372, 22.0560



14.8547, 14.1933, 9.8597



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.



29.3122, 19.5910, 2.2366



45.8025, 30.3850, 3.4508



43.5631, 48.0929, 6.9869



12.1838, 12.5583, 12.3939



18.1628, 12.2585, 1.4088



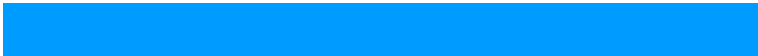
1.0919, 0.8382, 0.1042

Inverse Universe

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



19.0972, 19.7807, 63.1327



29.7621, 30.6441, 98.9540



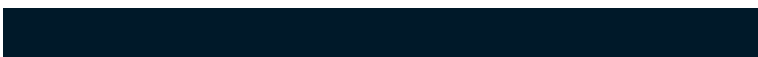
11.8432, 5.2727, 60.7147



11.7528, 12.5959, 15.0555



11.8732, 12.3929, 38.9588



0.7399, 0.8451, 2.2037

Previews

White Background



This preview shows how the XYZ color 29.3118, 19.5899, 2.2363 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 29.3118, 19.5899, 2.2363 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 29.3118, 19.5899, 2.2363

Background



This preview shows how black text looks on a background with the XYZ color 29.3118, 19.5899, 2.2363.



This preview shows how white text looks on a background with the XYZ color 29.3118, 19.5899,

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

29.3118, 19.5899, 2.2363

Protanopia

17.8658, 19.7090, 3.5721

Deuteranopia

19.8789, 19.6911, 2.7530



Tritanopia

30.9336, 19.6118, 9.9397

Trichromacy



Original Color

29.3118, 19.5899, 2.2363

Protanomaly

20.7451, 18.6467, 2.8866

Deuteranomaly

22.6295, 19.0146, 2.4775

Tritanomaly

29.9226, 19.3983, 5.4160

Monochromacy



Original Color

29.3118, 19.5899, 2.2363

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.7271, 15.7723, 8.0713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3118, 19.5899, 2.2363 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(209, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 82, 0)  
}
```

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(209, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.3118, 19.5899, 2.2363 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(209, 82, 0) }
```


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

```
.border{ border-color:rgb(209, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3118, 19.5899, 2.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 82, 0) }
```

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

```
.background{ background-color: rgb(209, 82,  
0) }
```

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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