

Converting Colors

XYZ(29.8499, 19.4392, 2.0463)

Have a look what the booklet for
XYZ(29.8499, 19.4392, 2.0463)
contains.

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Color

**XYZ(29.8758, 19.4458,
2.1788)**

Conversions

Conversions Part 1

Format	Color
Hex	D44E00
RGB	212, 78, 0
RGB Percent	83%, 31%, 0%
CMY	0.1686, 0.6941, 1.0000
CMYK	0.00, 0.63, 1.00, 0.17
HSL	22°, 100%, 42%
HSV	22°, 100%, 83%
XYZ	29.8758, 19.4458, 2.1788
YIQ	109.1740, 104.9020, 4.1500

Conversions

Conversions Part 2

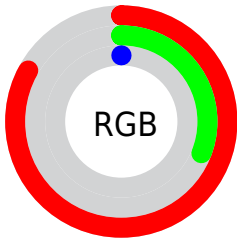
Format	Color
RYB	212, 123, 0
Decimal	13913600
CIELab	51.20, 50.29, 61.57
CIElCh	51, 79.498, 50.761
Yxy	19.4458, 0.5801, 0.3776
Android (android.graphics.Color)	4292103680 (0xFFD44E00)
YUV	109.1740, -53.8228, 90.1784
Hunter-Lab	44.0974, 43.7626, 27.9387

Details

The XYZ color **29.8758, 19.4458, 2.1788** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **20.4081, 21.8024, 65.4196**, and the grayscale version is **14.7135, 15.4798, 16.8575**.

A 20% lighter version of the original color is **50.3336, 38.0995, 9.1159**, and **12.6107, 6.8222, 0.6522** is the 20% darker color. If you saturate the color by 10%, you get **29.8760, 19.4465, 2.1789**, and if you desaturate by 10%, it is **31.0645, 21.6039, 3.2521**.

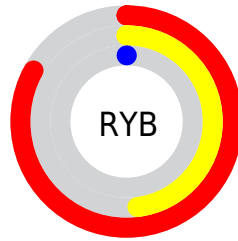
Distribution



Red (83%)

Green (31%)

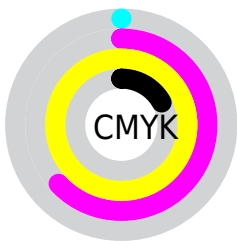
Blue (0%)



Red (83%)

Yellow (48%)

Blue (0%)

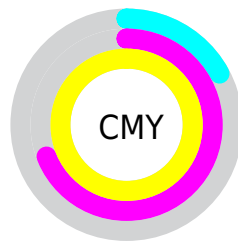


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (69%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8758, 19.4458, 2.1788 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 29.8758, 19.4458, 2.1788 by changing the saturation by 10% instead.


 29.8758, 19.4458,
2.1788


 29.8758, 19.4458,
2.1788


293.2453,
248.8989, 125.0942


 19.8919, 11.9928,
0.6621


 58.8537, 42.4861,
9.5241


 12.4243, 6.7388,
0.0000


 78.5784, 58.8421,
16.2203


 7.1076, 3.2993,
0.0000


 102.2808, 78.9347,
25.4901

 3.5764, 1.2899,
0.0000

 130.3263,
103.1482, 37.7522

 1.4654, 0.1334,
0.0000

 163.0801,
131.8669, 53.4252


 0.3021, 0.0000,
0.0000


 200.9076,


 0.0000, 0.0000,


165.4754, 72.9274


0.0000


 244.1742,
204.3579, 96.6776


 29.8758, 19.4458,
2.1788


 29.8758, 19.4458,
2.1788


 29.8760, 19.4465,
2.1789

 31.0645, 21.6039,
3.2521

 32.6084, 24.2309,
5.1870

 34.5682, 27.3682,
8.2523

 36.9810, 31.0456,
12.5969

 39.8791, 35.2901,
18.3466

■ 43.2913, 40.1266,
25.6119

■ 47.2438, 45.5784,
34.4924

■ 51.7610, 51.6674,
45.0787

■ 56.8657, 58.4142,
57.4550

Harmonies

Analogous

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



36.6752, 19.4458, 9.1775



29.8758, 19.4458, 2.1788



21.0349, 19.4458, 0.6864

Triad

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



29.8758, 19.4458, 2.1788



7.1642, 19.4458, 14.9189



24.4185, 19.4458, 93.6572

Complementary

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



29.8758, 19.4458, 2.1788



20.4081, 21.8024, 65.4196

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.



16.1457, 19.4458, 99.8929



29.8758, 19.4458, 2.1788



7.5928, 19.4458, 40.6830

Square

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



29.8758, 19.4458, 2.1788



9.0245, 19.4458, 3.8394



10.4314, 19.4458, 76.0404



32.9511, 19.4458, 62.4343

Rectangle

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



29.8758, 19.4458, 2.1788



15.7845, 19.4458, 0.7120



10.4314, 19.4458, 76.0404



21.4720, 19.4458, 99.3282

Sweetspot

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



29.8762, 19.4469, 2.1791



71.5539, 68.9499, 51.9205



31.4730, 15.7258, 24.0289



14.7484, 13.9808, 9.8243



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.



29.8762, 19.4469, 2.1791



45.2274, 29.2348, 3.2591



44.2364, 48.1673, 6.9658



12.7937, 13.1617, 13.0269



18.5319, 12.1811, 1.3745



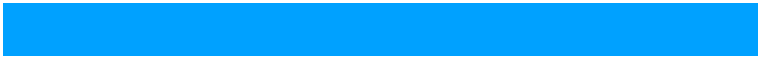
1.1956, 0.8903, 0.1088

Inverse Universe

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



20.4081, 21.8024, 65.4196



30.8250, 32.7700, 99.3083



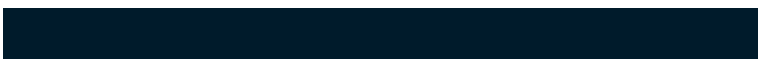
12.3053, 5.5969, 62.7187



12.3902, 13.3039, 15.8524



12.6974, 13.6566, 40.4199



0.8436, 0.9793, 2.4639

Previews

White Background



This preview shows how the XYZ color 29.8758, 19.4458, 2.1788 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 29.8758, 19.4458, 2.1788 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 29.8758, 19.4458, 2.1788

Background



This preview shows how black text looks on a background with the XYZ color 29.8758, 19.4458, 2.1788.



This preview shows how white text looks on a background with the XYZ color 29.8758, 19.4458,

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

29.8758, 19.4458, 2.1788

Protanopia

17.7090, 19.6271, 3.6141

Deuteranopia

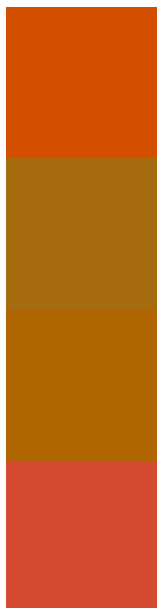
19.7630, 19.4593, 2.7144



Tritanopia

31.4537, 19.5971, 9.1460

Trichromacy



Original Color

29.8758, 19.4458, 2.1788

Protanomaly

20.8540, 18.5464, 2.8962

Deuteranomaly

22.6559, 18.7328, 2.4217

Tritanomaly

30.5110, 19.4000, 5.0422

Monochromacy



Original Color

29.8758, 19.4458, 2.1788

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.2959, 15.2760, 7.6672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8758, 19.4458, 2.1788 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(212, 78, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 78, 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(212, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8758, 19.4458, 2.1788 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(212, 78, 0) }
```


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

```
.border{ border-color:rgb(212, 78, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 78, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8758, 19.4458, 2.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 78, 0) }
```

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

```
.background{ background-color: rgb(212, 78,  
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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