

Converting Colors

XYZ(29.4451, 17.6366, 1.8523)

Have a look what the booklet for
XYZ(29.4451, 17.6366, 1.8523)
contains.

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Color

**XYZ(29.4003, 17.6336,
1.8541)**

Conversions

Conversions Part 1

Format	Color
Hex	D63D00
RGB	214, 61, 0
RGB Percent	84%, 24%, 0%
CMY	0.1608, 0.7607, 1.0000
CMYK	0.00, 0.71, 1.00, 0.16
HSL	17°, 100%, 42%
HSV	17°, 100%, 84%
XYZ	29.4003, 17.6336, 1.8541
YIQ	99.7930, 110.7690, 13.4650

Conversions

Conversions Part 2

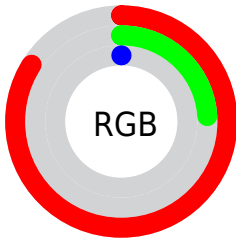
Format	Color
RYB	214, 85, 0
Decimal	14040320
CIELab	49.05, 57.77, 60.70
CIElCh	49, 83.793, 46.418
Yxy	17.6336, 0.6014, 0.3607
Android (android.graphics.Color)	4292230400 (0xFFD63D00)
YUV	99.7930, -49.1979, 100.1595
Hunter-Lab	41.9924, 51.4873, 26.7768

Details

The XYZ color **29.4003, 17.6336, 1.8541** 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 **23.5276, 27.6351, 67.7119**, and the grayscale version is **12.1631, 12.7965, 13.9354**.

A 20% lighter version of the original color is **48.5079, 34.5326, 8.2465**, and **12.5777, 6.4840, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **29.4005, 17.6343, 1.8542**, and if you desaturate by 10%, it is **30.4763, 19.5634, 2.8991**.

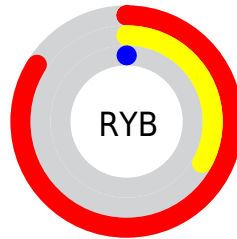
Distribution



Red (84%)

Green (24%)

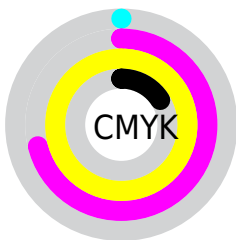
Blue (0%)



Red (84%)

Yellow (33%)

Blue (0%)

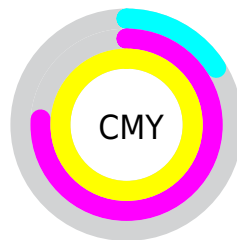


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (76%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4003, 17.6336, 1.8541 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 29.4003, 17.6336, 1.8541 by changing the saturation by 10% instead.


 29.4003, 17.6336,
1.8541


 29.4003, 17.6336,
1.8541


 291.0593,
238.7976, 120.0685


 19.5297, 10.6873,
0.4633


 58.1056, 39.4120,
8.6379


 12.1599, 5.8569,
0.0000


 77.6711, 55.0128,
14.9498

 6.9256, 2.7583,
0.0000


 101.1988, 74.2673,
23.7664

 3.4616, 1.0069,
0.0000

 129.0541, 97.5597,
35.5062

 1.4023, 0.0000,
0.0000

 161.6025,
125.2746, 50.5877


 0.2578, 0.0000,
0.0000


 199.2093,


 0.0000, 0.0000,


157.7963, 69.4296


0.0000


 242.2397,
195.5092, 92.4504


 29.4003, 17.6336,
1.8541


 29.4003, 17.6336,
1.8541


 29.4005, 17.6343,
1.8542

 30.4763, 19.5634,
2.8991

 31.9572, 22.0557,
4.8395

 33.9107, 25.1648,
7.9510

 36.3801, 28.9316,
12.3876

 39.4032, 33.3933,
18.2797

■ 43.0137, 38.5841,
25.7421

■ 47.2425, 44.5357,
34.8776

■ 52.1184, 51.2779,
45.7806

■ 57.6680, 58.8389,
58.5381

Harmonies

Analogous

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



35.7009, 17.6336, 9.4244



29.4003, 17.6336, 1.8541



20.5425, 17.6336, 0.2179

Triad

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



29.4003, 17.6336, 1.8541



5.9861, 17.6336, 10.7632



21.3761, 17.6336, 97.1320

Complementary

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



29.4003, 17.6336, 1.8541



23.5276, 27.6351, 67.7119

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.



13.4732, 17.6336, 98.7653



29.4003, 17.6336, 1.8541



6.0835, 17.6336, 34.1127

Square

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



29.4003, 17.6336, 1.8541



8.0616, 17.6336, 2.1895



8.3887, 17.6336, 70.2893



30.1717, 17.6336, 66.7728

Rectangle

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



29.4003, 17.6336, 1.8541



15.1361, 17.6336, 0.0908



8.3887, 17.6336, 70.2893



18.4966, 17.6336, 101.5743

Sweetspot

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



29.4007, 17.6347, 1.8544



70.0521, 65.9463, 51.4199



33.5115, 16.6082, 31.7357



14.3988, 13.2815, 9.7078



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.



29.4007, 17.6347, 1.8544



43.6026, 25.9853, 2.7175



41.6665, 42.1662, 5.9430



12.7087, 12.9916, 12.9985



17.8480, 10.8132, 1.1465



1.1469, 0.7929, 0.0926

Inverse Universe

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



23.5276, 27.6351, 67.7119



34.8402, 40.8004, 100.6467



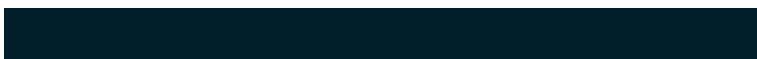
13.1291, 6.8380, 64.2457



12.4791, 13.4817, 15.8820



14.3136, 16.8889, 40.9586



0.9323, 1.1565, 2.4934

Previews

White Background



This preview shows how the XYZ color 29.4003, 17.6336, 1.8541 looks on a white 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

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 29.4003, 17.6336, 1.8541

Background



This preview shows how black text looks on a background with the XYZ color 29.4003, 17.6336, 1.8541.



This preview shows how white text looks on a background with the XYZ color 29.4003, 17.6336,

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

29.4003, 17.6336, 1.8541

Protanopia

16.1590, 17.9283, 3.4730

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

30.2769, 17.6891, 5.9562

Trichromacy



Original Color

29.4003, 17.6336, 1.8541

Protanomaly

19.2612, 16.2653, 2.5763

Deuteranomaly

20.9276, 16.5994, 2.1010

Tritanomaly

29.8872, 17.6131, 3.6582

Monochromacy



Original Color

29.4003, 17.6336, 1.8541

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.2377, 12.6885, 6.4965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4003, 17.6336, 1.8541 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(214, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 61, 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(214, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.4003, 17.6336, 1.8541 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(214, 61, 0) }
```


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

```
.border{ border-color:rgb(214, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.4003, 17.6336, 1.8541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 61, 0) }
```

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

```
.background{ background-color: rgb(214, 61,  
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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