

Converting Colors

XYZ(29.8853, 15.5040, 1.4191)

Have a look what the booklet for
XYZ(29.8853, 15.5040, 1.4191)
contains.

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Color

**XYZ(29.8839, 15.5024,
1.4172)**

Conversions

Conversions Part 1

Format	Color
Hex	DD0600
RGB	221, 6, 0
RGB Percent	87%, 2%, 0%
CMY	0.1333, 0.9763, 1.0000
CMYK	0.00, 0.97, 1.00, 0.13
HSL	2°, 100%, 43%
HSV	2°, 100%, 87%
XYZ	29.8839, 15.5024, 1.4172
YIQ	69.6010, 130.0660, 43.7140

Conversions

Conversions Part 2

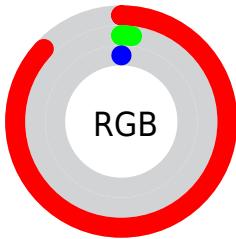
Format	Color
RYB	221, 6, 0
Decimal	14484992
CIELab	46.31, 71.39, 60.39
CIElCh	46, 93.512, 40.228
Yxy	15.5024, 0.6385, 0.3312
Android (android.graphics.Color)	4292675072 (0xFFDD0600)
YUV	69.6010, -34.3133, 132.7769
Hunter-Lab	39.3731, 66.5774, 25.4271

Details

The XYZ color **29.8839, 15.5024, 1.4172** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **37.3381, 53.7946, 76.8215**, and the grayscale version is **5.8000, 6.1020, 6.6451**.

A 20% lighter version of the original color is **45.5858, 28.8482, 6.7800**, and **13.5176, 6.9686, 0.6326** is the 20% darker color. If you saturate the color by 10%, you get **29.8842, 15.5034, 1.4174**, and if you desaturate by 10%, it is **30.3689, 16.2395, 2.2981**.

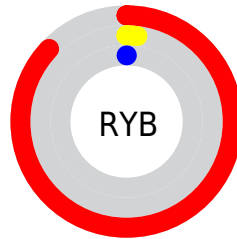
Distribution



Red (87%)

Green (2%)

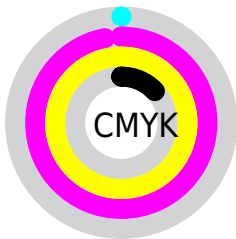
Blue (0%)



Red (87%)

Yellow (2%)

Blue (0%)

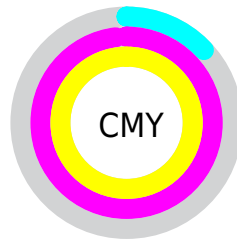


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8839, 15.5024, 1.4172 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 29.8839, 15.5024, 1.4172 by changing the saturation by 10% instead.


 29.8839, 15.5024,
1.4172


 29.8839, 15.5024,
1.4172


 293.2825,
226.3873, 112.5461


 19.8981, 9.1727,
0.1551


 58.8664, 35.7322,
7.3756


 12.4288, 4.8540,
0.0000

 78.5939, 50.4010,
13.1143


 7.1107, 2.1619,
0.0000


 102.2992, 68.6185,
21.2506

 3.5784, 0.6991,
0.0000

 130.3479, 90.7688,
32.2031

 1.4665, 0.0000,
0.0000

 163.1052,
117.2365, 46.3904


 0.3029, 0.0000,
0.0000


 200.9365,


 0.0000, 0.0000,


148.4058, 64.2309


0.0000


 244.2071,
184.6613, 86.1433


 29.8839, 15.5024,
1.4172


 29.8839, 15.5024,
1.4172


 29.8842, 15.5034,
1.4174

 30.3689, 16.2395,
2.2981

 31.3770, 17.7555,
4.1761

 33.0347, 20.2167,
7.3619

 35.4265, 23.7430,
12.0354

 38.6243, 28.4367,
18.3482

■ 42.6915, 34.3882,
26.4333

■ 47.6849, 41.6789,
36.4100

■ 53.6569, 50.3833,
48.3875

■ 60.6556, 60.5706,
62.4664

Harmonies

Analogous

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



35.6610, 15.5024, 10.2004



29.8839, 15.5024, 1.4172



20.5776, 15.5024, 0.0000

Triad

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



29.8839, 15.5024, 1.4172



4.4789, 15.5024, 5.9291



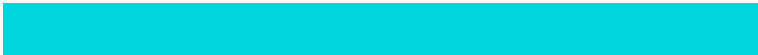
17.6397, 15.5024, 108.0124

Complementary

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



29.8839, 15.5024, 1.4172



37.3381, 53.7946, 76.8215

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.



10.1177, 15.5024, 101.6021



29.8839, 15.5024, 1.4172



4.1859, 15.5024, 25.9777

Square

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



29.8839, 15.5024, 1.4172



6.8628, 15.5024, 0.5914



5.8314, 15.5024, 64.3428



27.0759, 15.5024, 77.8429

Rectangle

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



29.8839, 15.5024, 1.4172



14.6733, 15.5024, 0.0000



5.8314, 15.5024, 64.3428



14.7960, 15.5024, 110.4434

Sweetspot

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



29.8842, 15.5034, 1.4174



65.7678, 57.3777, 49.9918



42.3840, 20.3982, 67.5646



13.4172, 11.3183, 9.3806



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.



29.8842, 15.5034, 1.4174



41.3158, 21.4116, 1.9553



35.8565, 27.4480, 3.4082



13.0845, 13.1083, 13.5661



17.3737, 9.0330, 0.8278



1.1359, 0.6058, 0.0571

Inverse Universe

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



37.3381, 53.7946, 76.8215



51.6227, 74.3655, 106.2409



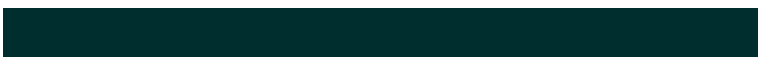
18.2896, 15.6976, 70.4720



13.4127, 14.7652, 16.7952



21.7049, 31.2792, 44.6319



1.4160, 2.0461, 2.8948

Previews

White Background



This preview shows how the XYZ color 29.8839, 15.5024, 1.4172 looks on a white background.

Color Contrast Check

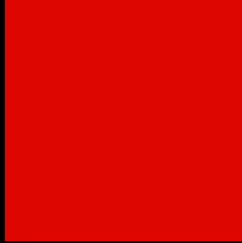
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.8839, 15.5024, 1.4172 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8839, 15.5024, 1.4172

Background



This preview shows how black text looks on a background with the XYZ color 29.8839, 15.5024, 1.4172.



This preview shows how white text looks on a background with the XYZ color 29.8839, 15.5024,

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

29.8839, 15.5024, 1.4172

Protanopia

14.4734, 16.0370, 3.4950

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

29.4636, 15.5604, 1.4506

Trichromacy



Original Color

29.8839, 15.5024, 1.4172

Protanomaly

16.9889, 12.2823, 2.0476

Deuteranomaly

18.7677, 12.9264, 1.5059

Tritanomaly

29.6860, 15.5573, 1.4382

Monochromacy



Original Color

29.8839, 15.5024, 1.4172

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

9.9476, 6.5825, 3.2289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8839, 15.5024, 1.4172 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(221, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 6, 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(221, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 6, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.8839, 15.5024, 1.4172 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(221, 6, 0) }
```


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

```
.border{ border-color:rgb(221, 6, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 6, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(221, 6, 0); box-shadow:4px  
4px 4px 4px rgb(221, 6, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8839, 15.5024, 1.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 6, 0) }
```

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

```
.background{ background-color: rgb(221, 6,  
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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