

Converting Colors

XYZ(29.4791, 16.5644, 2.8059)

Have a look what the booklet for
XYZ(29.4791, 16.5644, 2.8059)
contains.

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Color

**XYZ(29.4791, 16.5644,
2.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	D82D1D
RGB	216, 45, 29
RGB Percent	85%, 18%, 11%
CMY	0.1529, 0.8235, 0.8863
CMYK	0.00, 0.79, 0.87, 0.15
HSL	5°, 76%, 48%
HSV	5°, 87%, 85%
XYZ	29.4791, 16.5644, 2.8059
YIQ	94.3050, 107.0520, 31.2760

Conversions

Conversions Part 2

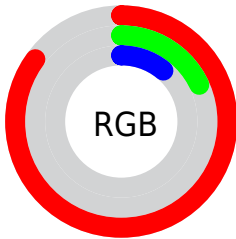
Format	Color
R_{YB}	216, 46, 29
Decimal	14167325
CIE Lab	47.71, 63.85, 50.76
CIE LCh	48, 81.574, 38.485
Yxy	16.5644, 0.6035, 0.3391
Android (android.graphics.Color)	4292357405 (0xFFD82D1D)
YUV	94.3050, -32.1954, 106.7265
Hunter-Lab	40.6994, 58.0660, 24.4020

Details

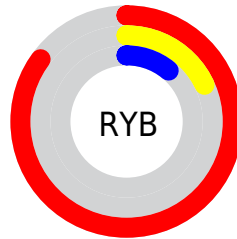
The XYZ color **29.4791, 16.5644, 2.8059** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **33.5523, 46.5210, 72.1764**, and the grayscale version is **10.7692, 11.3301, 12.3385**.

A 20% lighter version of the original color is **47.7336, 32.1039, 10.7020**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **28.7126, 15.3217, 1.6566**, and if you desaturate by 10%, it is **30.7843, 18.5880, 5.0513**.

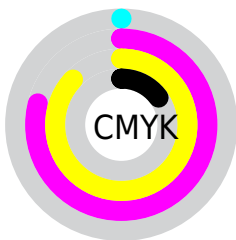
Distribution



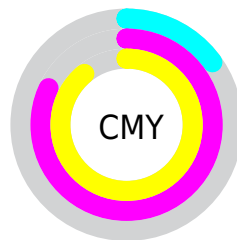
- Red (85%)
- Green (18%)
- Blue (11%)



- Red (85%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (87%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4791, 16.5644, 2.8059 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 29.4791, 16.5644, 2.8059 by changing the saturation by 10% instead.


 29.4791, 16.5644,
2.8059


 29.4791, 16.5644,
2.8059


291.4224,
232.6495, 133.8488


 19.5897, 9.9244,
0.9964


 58.2297, 37.5753,
11.1456


 12.2036, 5.3489,
0.0000


 77.8216, 52.7150,
18.5129


 6.9557, 2.4534,
0.0000


 101.3784, 71.4567,
28.5699

 3.4805, 0.8531,
0.0000

 129.2653, 94.1848,
41.7350

 1.4127, 0.0000,
0.0000

 161.8479,
121.2838, 58.4270


 0.2652, 0.0000,
0.0000


 199.4913,


 0.0000, 0.0000,


153.1380, 79.0642


0.0000


 242.5610,
190.1317, 104.0653


 29.4791, 16.5644,
2.8059


 29.4791, 16.5644,
2.8059


 28.7126, 15.3217,
1.6566


 30.7843, 18.5880,
5.0513

 28.5432, 15.0478,
1.4001

 32.7054, 21.4902,
8.5895

 35.3072, 25.3575,
13.5764

 38.6459, 30.2650,
20.1456

 42.7719, 36.2805,
28.4155

■ 47.7310, 43.4661,
38.4934

■ 53.5658, 51.8791,
50.4774

■ 60.3155, 61.5731,
64.4589

■ 68.0173, 72.5987,
80.5232

Harmonies

Analogous

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



34.0983, 16.5644, 12.7327



29.4791, 16.5644, 2.8059



21.4708, 16.5644, 0.4448

Triad

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



29.4791, 16.5644, 2.8059



5.9658, 16.5644, 6.9480



17.9063, 16.5644, 94.1219

Complementary

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



29.4791, 16.5644, 2.8059



33.5523, 46.5210, 72.1764

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.



11.1384, 16.5644, 87.1980



29.4791, 16.5644, 2.8059



5.5445, 16.5644, 24.6383

Square

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



29.4791, 16.5644, 2.8059



8.5270, 16.5644, 1.3235



7.1168, 16.5644, 56.3805



26.1893, 16.5644, 71.3204

Rectangle

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



29.4791, 16.5644, 2.8059



16.1179, 16.5644, 0.0494



7.1168, 16.5644, 56.3805



15.3759, 16.5644, 95.4087

Sweetspot

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



29.4795, 16.5654, 2.8061



69.7687, 63.6730, 56.5865



39.2322, 19.6672, 56.6274



14.3594, 12.7985, 10.9406



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.



29.4795, 16.5654, 2.8061



41.5238, 21.8276, 2.0246



37.6410, 32.8884, 5.5266



12.5079, 12.5900, 12.9316



16.9276, 8.9724, 0.8397



1.0513, 0.6018, 0.0607

Inverse Universe

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



33.5523, 46.5210, 72.1764



47.2351, 65.5901, 104.7784



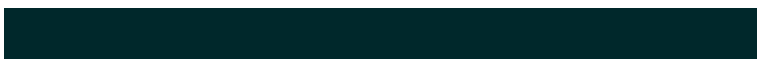
18.1503, 15.7171, 67.0425



12.6970, 13.9174, 15.9546



19.2617, 26.7851, 42.6080



1.1891, 1.6703, 2.5790

Previews

White Background



This preview shows how the XYZ color 29.4791, 16.5644, 2.8059 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 29.4791, 16.5644, 2.8059 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 29.4791, 16.5644, 2.8059

Background



This preview shows how black text looks on a background with the XYZ color 29.4791, 16.5644, 2.8059.



This preview shows how white text looks on a background with the XYZ color 29.4791, 16.5644,

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

29.4791, 16.5644, 2.8059

Protanopia

15.2629, 16.7439, 5.0122

Tritanopia

29.6188, 16.5011, 3.9094

Trichromacy



Original Color

29.4791, 16.5644, 2.8059

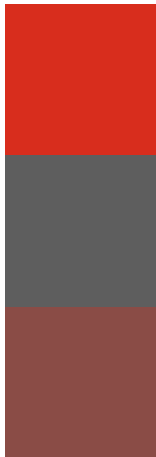
Protanomaly

18.2535, 14.6689, 3.8768

Tritanomaly

29.5694, 16.5402, 3.4678

Monochromacy



Original Color

29.4791, 16.5644, 2.8059

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

14.1712, 11.0144, 7.1734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4791, 16.5644, 2.8059 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(216, 45, 29)` looks like.

```
.text, #text, p{  
    color:rgb(216, 45, 29)  
}
```

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(216, 45, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 45, 29) }
```

Border

The CSS property to change the border of an element to XYZ 29.4791, 16.5644, 2.8059 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(216, 45, 29) }
```

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

```
.border{ border-color:rgb(216, 45, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 45, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 45, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 45, 29);  
box-shadow:4px 4px 4px 4px rgb(216, 45,  
29) }
```


Background

The CSS property to change the background color of an element to XYZ 29.4791, 16.5644, 2.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 45, 29) }
```

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

```
.background{ background-color: rgb(216, 45,  
29) }
```

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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