

Converting Colors

XYZ(29.9337, 15.9424, 5.6658)

Have a look what the booklet for
XYZ(29.9337, 15.9424, 5.6658)
contains.

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Color

**XYZ(29.8199, 15.8980,
5.6346)**

Conversions

Conversions Part 1

Format	Color
Hex	D91C3B
RGB	217, 28, 59
RGB Percent	85%, 11%, 23%
CMY	0.1490, 0.8901, 0.7686
CMYK	0.00, 0.87, 0.73, 0.15
HSL	350°, 77%, 48%
HSV	350°, 87%, 85%
XYZ	29.8199, 15.8980, 5.6346
YIQ	88.0450, 102.6930, 49.7090

Conversions

Conversions Part 2

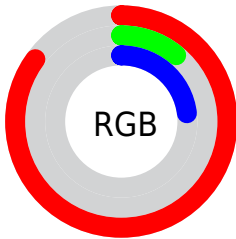
Format	Color
RYB	217, 28, 59
Decimal	14228539
CIELab	46.84, 68.89, 33.82
CIElCh	47, 76.738, 26.146
Yxy	15.8980, 0.5807, 0.3096
Android (android.graphics.Color)	4292418619 (0xFFD91C3B)
YUV	88.0450, -14.3192, 113.0935
Hunter-Lab	39.8723, 63.7210, 19.5320

Details

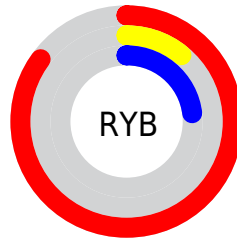
The XYZ color **29.8199, 15.8980, 5.6346** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **34.1575, 53.4186, 54.9775**, and the grayscale version is **9.3027, 9.7872, 10.6582**.

A 20% lighter version of the original color is **48.2092, 31.0360, 17.0853**, and **13.2461, 6.8160, 1.1897** is the 20% darker color. If you saturate the color by 10%, you get **29.0814, 15.0480, 3.4566**, and if you desaturate by 10%, it is **31.0885, 17.5471, 8.7961**.

Distribution



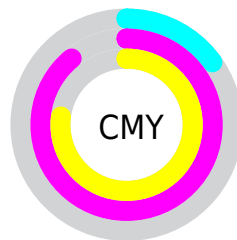
- Red (85%)
- Green (11%)
- Blue (23%)



- Red (85%)
- Yellow (11%)
- Blue (23%)



- Cyan (0%)
- Magenta (87%)
- Yellow (73%)
- Black (15%)





- Cyan (15%)
- Magenta (89%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8199, 15.8980, 5.6346 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 29.8199, 15.8980, 5.6346 by changing the saturation by 10% instead.


 29.8199, 15.8980,
5.6346


 29.8199, 15.8980,
5.6346


292.9890,
228.7391, 164.9554


 19.8493, 9.4520,
2.5590


 58.7658, 36.4210,
17.6320


 12.3932, 5.0372,
0.8712


 78.4719, 51.2669,
27.3909

 7.0861, 2.2691,
0.0000


 102.1538, 69.6814,
40.2147

 3.5628, 0.7573,
0.0000

 130.1770, 92.0491,
56.5219

 1.4579, 0.0000,
0.0000

 162.9067,
118.7543, 76.7310

 0.2969, 0.0000,
0.0000

 200.7084,

 0.0000, 0.0000,

150.1815, 101.2606

0.0000

243.9474,
186.7149, 130.5292

■ 29.8199, 15.8980,
5.6346

■ 29.8199, 15.8980,
5.6346

■ 29.0814, 15.0480,
3.4566

■ 31.0885, 17.5471,
8.7961

■ 28.9269, 14.8763,
2.9817

■ 32.9739, 20.1436,
13.0450

■ 35.5451, 23.8039,
18.4709

■ 38.8612, 28.6271,
25.1539

■ 42.9751, 34.7005,
33.1667

■ 47.9346, 42.1034,
42.5767

■ 53.7838, 50.9083,
53.4463

■ 60.5635, 61.1825,
65.8344

■ 68.3123, 72.9890,
79.7965

Harmonies

Analogous

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



31.8878, 15.8980, 19.9020



29.8199, 15.8980, 5.6346



23.4537, 15.8980, 1.2089

Triad

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



29.8199, 15.8980, 5.6346



6.7576, 15.8980, 3.8415



14.2637, 15.8980, 86.0506

Complementary

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



29.8199, 15.8980, 5.6346



34.1575, 53.4186, 54.9775

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.



9.0258, 15.8980, 69.3447



29.8199, 15.8980, 5.6346



5.5775, 15.8980, 14.9538

Square

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



29.8199, 15.8980, 5.6346



10.1283, 15.8980, 0.8301



6.2652, 15.8980, 39.1031



21.5059, 15.8980, 75.7694

Rectangle

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



29.8199, 15.8980, 5.6346



18.3991, 15.8980, 0.4372



6.2652, 15.8980, 39.1031



12.2392, 15.8980, 83.2081

Sweetspot

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



29.8203, 15.8990, 5.6348



69.7480, 61.6762, 62.6077



33.0693, 16.2183, 67.0326



14.3555, 12.3422, 12.3224



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.



29.8203, 15.8990, 5.6348



41.6543, 21.4257, 4.1118



32.5673, 22.3204, 3.6919



13.1427, 13.0862, 14.0126



17.5369, 9.0158, 1.9413



1.1634, 0.5950, 0.2696

Inverse Universe

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



29.8203, 15.8990, 5.6348



41.6543, 21.4257, 4.1118



24.5606, 28.3706, 69.8266



13.1427, 13.0862, 14.0126



17.5369, 9.0158, 1.9413



1.1634, 0.5950, 0.2696

Previews

White Background



This preview shows how the XYZ color 29.8199, 15.8980, 5.6346 looks on a white background.

Color Contrast Check

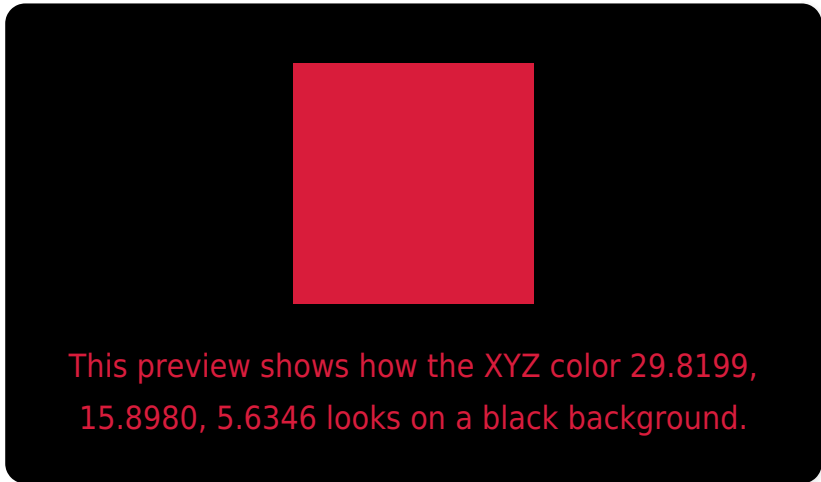
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 29.8199, 15.8980, 5.6346

Background



This preview shows how black text looks on a background with the XYZ color 29.8199, 15.8980, 5.6346.



This preview shows how white text looks on a background with the XYZ color 29.8199, 15.8980,

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

29.8199, 15.8980, 5.6346

Protanopia

15.2196, 16.2533, 11.1391

Deuteranopia

16.4387, 16.2178, 5.0602



Tritanopia

29.1516, 15.8473, 2.8889

Trichromacy



Original Color

29.8199, 15.8980, 5.6346

Protanomaly

17.7645, 13.3752, 8.4829

Deuteranomaly

19.2806, 13.9122, 4.9179

Tritanomaly

29.2533, 15.7991, 3.6982

Monochromacy



Original Color

29.8199, 15.8980, 5.6346

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.2794, 9.5831, 8.1710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8199, 15.8980, 5.6346 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(217, 28, 59)` looks like.

```
.text, #text, p{  
    color:rgb(217, 28, 59)  
}
```

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(217, 28, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 28, 59) }
```

Border

The CSS property to change the border of an element to XYZ 29.8199, 15.8980, 5.6346 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(217, 28, 59) }
```


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

```
.border{ border-color:rgb(217, 28, 59) }
```

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

Here you see how a box with a 4 pixel rgb(217, 28, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 28, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 28, 59);  
box-shadow:4px 4px 4px 4px rgb(217, 28,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8199, 15.8980, 5.6346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 28, 59) }
```

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

```
.background{ background-color: rgb(217, 28,  
59) }
```

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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