

Converting Colors

XYZ(29.8999, 16.7327, 5.0220)

Have a look what the booklet for
XYZ(29.8999, 16.7327, 5.0220)
contains.

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Color

**XYZ(29.8999, 16.7327,
5.0220)**

Conversions

Conversions Part 1

Format	Color
Hex	D82D35
RGB	216, 45, 53
RGB Percent	85%, 18%, 21%
CMY	0.1529, 0.8235, 0.7922
CMYK	0.00, 0.79, 0.75, 0.15
HSL	357°, 69%, 51%
HSV	357°, 79%, 85%
XYZ	29.8999, 16.7327, 5.0220
YIQ	97.0410, 99.3480, 38.7400

Conversions

Conversions Part 2

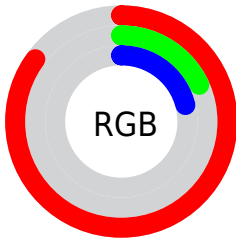
Format	Color
R _Y B	216, 45, 53
Decimal	14167349
CIE Lab	47.92, 64.53, 38.48
CIE LCh	48, 75.134, 30.811
Yxy	16.7327, 0.5788, 0.3239
Android (android.graphics.Color)	4292357429 (0xFFD82D35)
YUV	97.0410, -21.7122, 104.3270
Hunter-Lab	40.9056, 58.8895, 21.3549

Details

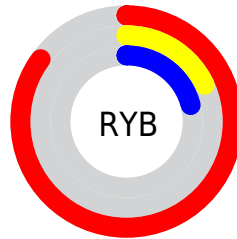
The XYZ color **29.8999, 16.7327, 5.0220** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.0253, 54.2243, 68.1976**, and the grayscale version is **11.4084, 12.0025, 13.0707**.

A 20% lighter version of the original color is **48.7979, 32.6955, 15.7955**, and **13.0037, 6.6973, 0.8945** is the 20% darker color. If you saturate the color by 10%, you get **28.8997, 15.3347, 2.8326**, and if you desaturate by 10%, it is **31.5253, 19.0563, 8.4233**.

Distribution



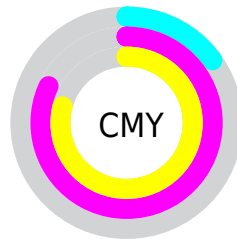
- Red (85%)
- Green (18%)
- Blue (21%)



- Red (85%)
- Yellow (18%)
- Blue (21%)



- Cyan (0%)
- Magenta (79%)
- Yellow (75%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8999, 16.7327, 5.0220 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 29.8999, 16.7327, 5.0220 by changing the saturation by 10% instead.


 29.8999, 16.7327,
5.0220


 29.8999, 16.7327,
5.0220


293.3558,
233.6273, 158.9854


 19.9103, 10.0441,
2.2012


 58.8916, 37.8656,
16.3055

 12.4378, 5.4282,
0.6751


 78.6243, 53.0787,
25.6054

 7.1169, 2.5006,
0.0000


 102.3356, 71.9021,
37.9020

 3.5823, 0.8770,
0.0000

 130.3906, 94.7202,
53.6139

 1.4686, 0.0000,
0.0000

 163.1548,
121.9174, 73.1596

 0.3043, 0.0000,
0.0000

 200.9935,

 0.0000, 0.0000,

153.8780, 96.9578

0.0000

244.2720,
190.9865, 125.4268

■ 29.8999, 16.7327,
5.0220

■ 29.8999, 16.7327,
5.0220

■ 28.8997, 15.3347,
2.8326

■ 31.5253, 19.0563,
8.4233

■ 28.4037, 14.6643,
1.6755


■ 33.8546, 22.4249,
13.1768


■ 28.3740, 14.6210,
1.6164


■ 36.9561, 26.9431,
19.4042


■ 40.8896, 32.7023,
27.2136

■ 45.7092, 39.7845,
36.7028

 51.4643, 48.2648,
47.9620

 58.2007, 58.2126,
61.0747

 65.9612, 69.6927,
76.1192

 74.7860, 82.7660,
93.1692

Harmonies

Analogous

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



32.7832, 16.7327, 17.6966



29.8999, 16.7327, 5.0220



23.1304, 16.7327, 1.2087

Triad

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



29.8999, 16.7327, 5.0220



7.0348, 16.7327, 5.4191



16.0889, 16.7327, 86.6465

Complementary

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



29.8999, 16.7327, 5.0220



37.0253, 54.2243, 68.1976

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.



10.3651, 16.7327, 73.9519



29.8999, 16.7327, 5.0220



6.1193, 16.7327, 18.7517

Square

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



29.8999, 16.7327, 5.0220



10.1271, 16.7327, 1.2973



7.1423, 16.7327, 44.7457



23.5424, 16.7327, 72.6176

Rectangle

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



29.8999, 16.7327, 5.0220



18.0734, 16.7327, 0.5910



7.1423, 16.7327, 44.7457



13.9154, 16.7327, 85.3118

Sweetspot

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



29.9003, 16.7337, 5.0222



70.5263, 63.7702, 61.2102



39.1916, 20.1660, 66.7922



14.4705, 12.7289, 11.8773



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.



29.9003, 16.7337, 5.0222



41.5463, 21.6077, 2.8487



35.7470, 28.6970, 6.1390



12.4465, 12.4301, 13.0257



16.8057, 8.6586, 1.0147



1.0221, 0.5256, 0.1057

Inverse Universe

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



29.9003, 16.7337, 5.0222



41.5463, 21.6077, 2.8487



22.7181, 23.9975, 68.4000



12.4465, 12.4301, 13.0257



16.8057, 8.6586, 1.0147



1.0221, 0.5256, 0.1057

Previews

White Background



This preview shows how the XYZ color 29.8999, 16.7327, 5.0220 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 29.8999, 16.7327, 5.0220

Background



This preview shows how black text looks on a background with the XYZ color 29.8999, 16.7327, 5.0220.



This preview shows how white text looks on a background with the XYZ color 29.8999, 16.7327,

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

29.8999, 16.7327, 5.0220

Protanopia

15.5995, 16.8277, 9.0825

Deuteranopia

17.1966, 16.9370, 4.4606



Tritanopia

29.8090, 16.7582, 4.3529

Trichromacy



Original Color

29.8999, 16.7327, 5.0220

Protanomaly

18.4901, 14.7181, 7.1765

Deuteranomaly

20.3790, 15.3911, 4.3793

Tritanomaly

29.8503, 16.7747, 4.5703

Monochromacy



Original Color

29.8999, 16.7327, 5.0220

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.0248, 11.6183, 9.2352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8999, 16.7327, 5.0220 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(216, 45, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 45, 53) }
```

Border

The CSS property to change the border of an element to XYZ 29.8999, 16.7327, 5.0220 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, 53) }
```


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

```
.border{ border-color:rgb(216, 45, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 45, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 45, 53);  
box-shadow:4px 4px 4px 4px rgb(216, 45,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8999, 16.7327, 5.0220 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, 53) }
```

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

```
.background{ background-color: rgb(216, 45,  
53) }
```

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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