

Converting Colors

XYZ(29.7249, 17.8590, 6.5811)

Have a look what the booklet for
XYZ(29.7249, 17.8590, 6.5811)
contains.

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Color

**XYZ(29.8261, 17.9109,
6.5878)**

Conversions

Conversions Part 1

Format	Color
Hex	D43F3F
RGB	212, 63, 63
RGB Percent	83%, 25%, 25%
CMY	0.1686, 0.7529, 0.7529
CMYK	0.00, 0.70, 0.70, 0.17
HSL	0°, 63%, 54%
HSV	0°, 70%, 83%
XYZ	29.8261, 17.9109, 6.5878
YIQ	107.5510, 88.8040, 31.5880

Conversions

Conversions Part 2

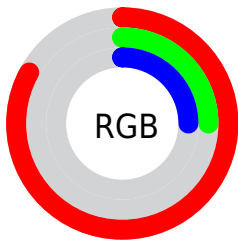
Format	Color
R _Y B	212, 63, 63
Decimal	13909823
CIE Lab	49.39, 57.93, 34.22
CIE LCh	49, 67.282, 30.573
Yxy	17.9109, 0.5490, 0.3297
Android (android.graphics.Color)	4292099903 (0xFFD43F3F)
YUV	107.5510, -21.9636, 91.6018
Hunter-Lab	42.3213, 51.7364, 20.3957

Details

The XYZ color **29.8261, 17.9109, 6.5878** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **37.4747, 52.8926, 70.5212**, and the grayscale version is **14.1713, 14.9093, 16.2362**.

A 20% lighter version of the original color is **50.8257, 35.8406, 19.2781**, and **12.7039, 6.5345, 1.2535** is the 20% darker color. If you saturate the color by 10%, you get **28.3869, 15.8053, 3.7264**, and if you desaturate by 10%, it is **31.9459, 21.0133, 10.8010**.

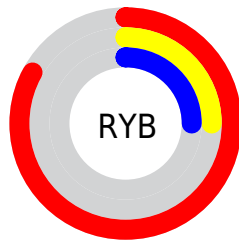
Distribution



Red (83%)

Green (25%)

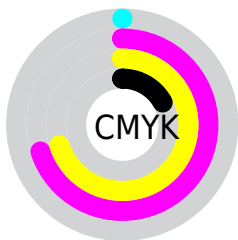
Blue (25%)



Red (83%)

Yellow (25%)

Blue (25%)

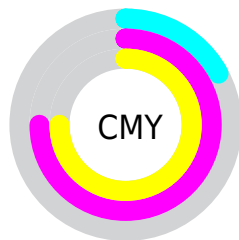


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8261, 17.9109, 6.5878 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 29.8261, 17.9109, 6.5878 by changing the saturation by 10% instead.

 29.8261, 17.9109,
6.5878


 29.8261, 17.9109,
6.5878


293.0174,
240.3684, 173.6922


 19.8540, 10.8860,
3.1312


 58.7756, 39.8854,
19.6376


 12.3966, 5.9903,
1.1620

 78.4837, 55.6039,
30.0678

 7.0885, 2.8392,
0.0000


 102.1679, 74.9890,
43.6597

 3.5643, 1.0483,
0.0000

 130.1935, 98.4252,
60.8317

 1.4588, 0.0000,
0.0000

 162.9259,
126.2968, 82.0024

 0.2975, 0.0000,
0.0000

 200.7305,

 0.0000, 0.0000,

158.9883, 107.5904

0.0000

243.9725,
196.8840, 138.0141

■ 29.8261, 17.9109,
6.5878

■ 29.8261, 17.9109,
6.5878

■ 28.3869, 15.8053,
3.7264

■ 31.9459, 21.0133,
10.8010

■ 27.5440, 14.5718,
2.0511

■ 34.8148, 25.2114,
16.5042

■ 27.1514, 13.9972,
1.2707

■ 38.4946, 30.5960,
23.8192

■ 43.0400, 37.2473,
32.8553

■ 48.5013, 45.2387,
43.7121

■ 54.9247, 54.6379,
56.4816

■ 62.3533, 65.5081,
71.2496

■ 70.8278, 77.9086,
88.0968

■ 80.3864, 91.8954,
107.0993

Harmonies

Analogous

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



32.3568, 17.9109, 19.1550



29.8261, 17.9109, 6.5878



23.7439, 17.9109, 2.1594

Triad

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



29.8261, 17.9109, 6.5878



8.4598, 17.9109, 6.8854



17.1459, 17.9109, 79.3979

Complementary

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



29.8261, 17.9109, 6.5878



37.4747, 52.8926, 70.5212

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.



11.7088, 17.9109, 68.4607



29.8261, 17.9109, 6.5878



7.5111, 17.9109, 19.8530

Square

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



29.8261, 17.9109, 6.5878



11.5451, 17.9109, 2.2409



8.5365, 17.9109, 43.1981



24.0084, 17.9109, 67.6578

Rectangle

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



29.8261, 17.9109, 6.5878



19.0999, 17.9109, 1.3565



8.5365, 17.9109, 43.1981



15.1039, 17.9109, 78.2060

Sweetspot

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



29.8265, 17.9120, 6.5881



72.8281, 67.4831, 64.7234



40.8124, 22.3055, 64.4414



15.0701, 13.6860, 12.8234



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.



29.8265, 17.9120, 6.5881



42.4232, 22.9916, 4.2814



37.0654, 32.3897, 9.0010



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

Inverse Universe

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



37.4747, 52.8926, 70.5212



54.7125, 79.1993, 107.0111



22.9505, 23.8441, 65.6798



12.7922, 14.1078, 15.9864



21.8691, 31.9999, 43.4771



1.3191, 1.9301, 2.6223

Previews

White Background



This preview shows how the XYZ color 29.8261, 17.9109, 6.5878 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 29.8261, 17.9109, 6.5878 looks on a 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 29.8261, 17.9109, 6.5878

Background



This preview shows how black text looks on a background with the XYZ color 29.8261, 17.9109, 6.5878.



This preview shows how white text looks on a background with the XYZ color 29.8261, 17.9109,

6.5878.

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

29.8261, 17.9109, 6.5878

Protanopia

16.7922, 18.0934, 10.7910

Deuteranopia

18.3141, 17.9657, 5.9925



Tritanopia

29.9123, 17.9454, 7.0415

Trichromacy



Original Color

29.8261, 17.9109, 6.5878

Protanomaly

19.7727, 16.5263, 8.9852

Deuteranomaly

21.3188, 16.8469, 5.9990

Tritanomaly

29.8830, 17.9337, 6.8876

Monochromacy



Original Color

29.8261, 17.9109, 6.5878

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.6130, 14.5380, 12.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8261, 17.9109, 6.5878 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(212, 63, 63)` looks like.

```
.text, #text, p{  
    color:rgb(212, 63, 63)  
}
```

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(212, 63, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 63, 63) }
```

Border

The CSS property to change the border of an element to XYZ 29.8261, 17.9109, 6.5878 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(212, 63, 63) }
```


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

```
.border{ border-color:rgb(212, 63, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 63, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 63, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 63, 63);  
box-shadow:4px 4px 4px 4px rgb(212, 63,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8261, 17.9109, 6.5878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 63, 63) }
```

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

```
.background{ background-color: rgb(212, 63,  
63) }
```

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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