

Converting Colors

XYZ(28.9781, 17.0787, 5.7257)

Have a look what the booklet for
XYZ(28.9781, 17.0787, 5.7257)
contains.

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Color

**XYZ(29.1407, 17.1805,
5.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	D33A3A
RGB	211, 58, 58
RGB Percent	83%, 23%, 23%
CMY	0.1726, 0.7725, 0.7725
CMYK	0.00, 0.73, 0.73, 0.17
HSL	0°, 63%, 53%
HSV	0°, 73%, 83%
XYZ	29.1407, 17.1805, 5.7833
YIQ	103.7470, 91.1880, 32.4360

Conversions

Conversions Part 2

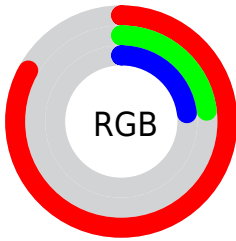
Format	Color
RYB	211, 58, 58
Decimal	13843002
CIELab	48.49, 59.19, 36.00
CIElCh	48, 69.281, 31.311
Yxy	17.1805, 0.5593, 0.3297
Android (android.graphics.Color)	4292033082 (0xFFD33A3A)
YUV	103.7470, -22.5533, 94.0609
Hunter-Lab	41.4494, 52.9568, 20.7420

Details

The XYZ color **29.1407, 17.1805, 5.7833** 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 **36.7941, 52.1855, 69.7610**, and the grayscale version is **13.1330, 13.8169, 15.0466**.

A 20% lighter version of the original color is **50.0869, 34.7914, 17.7112**, and **12.2990, 6.3304, 1.0256** is the 20% darker color. If you saturate the color by 10%, you get **27.8550, 15.2994, 3.2271**, and if you desaturate by 10%, it is **31.0826, 20.0226, 9.6429**.

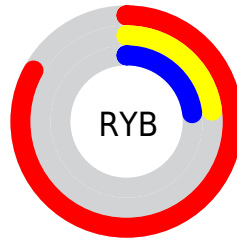
Distribution



Red (83%)

Green (23%)

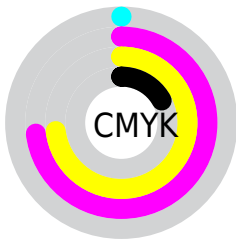
Blue (23%)



Red (83%)

Yellow (23%)

Blue (23%)

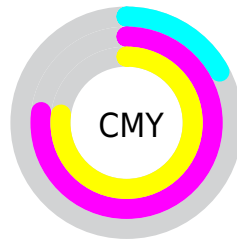


Cyan (0%)

Magenta (73%)

Yellow (73%)

Black (17%)



Cyan (17%)


Magenta (77%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1407, 17.1805, 5.7833 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 29.1407, 17.1805, 5.7833 by changing the saturation by 10% instead.


 29.1407, 17.1805,
5.7833


 29.1407, 17.1805,
5.7833


289.8605,
236.2104, 166.3596

 19.3321, 10.3633,
2.6471


 57.6966, 38.6359,
17.9493

 12.0159, 5.6405,
0.9166


 77.1745, 54.0428,
27.8161


 6.8268, 2.6277,
0.0000


 100.6064, 73.0817,
40.7636

 3.3994, 0.9406,
0.0000

 128.3574, 96.1370,
57.2103

 1.3683, 0.0000,
0.0000

 160.7929,
123.5932, 77.5747

 0.2335, 0.0000,
0.0000

 198.2784,

 0.0000, 0.0000,

155.8345, 102.2754

0.0000

241.1791,
193.2455, 131.7308

■ 29.1407, 17.1805,
5.7833

■ 29.1407, 17.1805,
5.7833

■ 27.8550, 15.2994,
3.2271

■ 31.0826, 20.0226,
9.6429

■ 27.1383, 14.2507,
1.8028


■ 33.7509, 23.9271,
14.9471


■ 26.8639, 13.8491,
1.2573


■ 37.2081, 28.9861,
21.8197

■ 41.5097, 35.2806,
30.3712

■ 46.7063, 42.8847,
40.7018

 52.8444, 51.8664,
52.9040

 59.9672, 62.2890,
67.0641

 68.1154, 74.2121,
83.2628

 77.3274, 87.6916,
101.5762

Harmonies

Analogous

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



31.8311, 17.1805, 17.9180



29.1407, 17.1805, 5.7833



22.9205, 17.1805, 1.7433

Triad

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



29.1407, 17.1805, 5.7833



7.7895, 17.1805, 6.4403



16.6105, 17.1805, 79.9680

Complementary

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



29.1407, 17.1805, 5.7833



36.7941, 52.1855, 69.7610

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.



11.1413, 17.1805, 69.2070



29.1407, 17.1805, 5.7833



6.9116, 17.1805, 19.5181

Square

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



29.1407, 17.1805, 5.7833



10.7705, 17.1805, 1.9130



7.9613, 17.1805, 43.3997



23.5324, 17.1805, 67.3109

Rectangle

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



29.1407, 17.1805, 5.7833



18.2445, 17.1805, 1.0595



7.9613, 17.1805, 43.3997



14.5535, 17.1805, 78.9394

Sweetspot

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



29.1411, 17.1815, 5.7836



71.9385, 66.1815, 62.9547



40.1346, 21.5781, 63.6771



14.8973, 13.4332, 12.4799



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.



29.1411, 17.1815, 5.7836



42.0651, 22.4676, 3.5695



36.2218, 31.3430, 8.1438



11.8088, 11.8084, 12.2689



16.2125, 8.3581, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



36.7941, 52.1855, 69.7610



54.4371, 79.0560, 106.9979



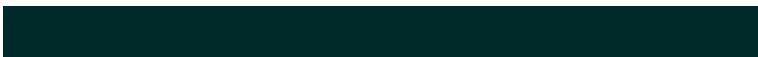
22.0971, 22.7914, 64.8620



12.1584, 13.4070, 15.1906



21.1518, 30.9502, 42.0517



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 29.1407, 17.1805, 5.7833 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 29.1407, 17.1805, 5.7833 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 29.1407, 17.1805, 5.7833

Background



This preview shows how black text looks on a background with the XYZ color 29.1407, 17.1805, 5.7833.



This preview shows how white text looks on a background with the XYZ color 29.1407, 17.1805,

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

29.1407, 17.1805, 5.7833

Protanopia

16.2247, 17.4765, 9.7259

Deuteranopia

17.6319, 17.3029, 5.3162



Tritanopia

29.1926, 17.2012, 6.0565

Trichromacy



Original Color

29.1407, 17.1805, 5.7833

Protanomaly

19.1342, 15.8074, 8.0039

Deuteranomaly

20.5094, 16.0549, 5.2668

Tritanomaly

29.1664, 17.1908, 5.9186

Monochromacy



Original Color

29.1407, 17.1805, 5.7833

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.4562, 13.3441, 10.7252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1407, 17.1805, 5.7833 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(211, 58, 58)` looks like.

```
.text, #text, p{  
    color:rgb(211, 58, 58)  
}
```

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(211, 58, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 58, 58) }
```

Border

The CSS property to change the border of an element to XYZ 29.1407, 17.1805, 5.7833 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(211, 58, 58) }
```


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

```
.border{ border-color:rgb(211, 58, 58) }
```

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

Here you see how a box with a 4 pixel rgb(211, 58, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 58, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 58, 58);  
box-shadow:4px 4px 4px 4px rgb(211, 58,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1407, 17.1805, 5.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 58, 58) }
```

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

```
.background{ background-color: rgb(211, 58,  
58) }
```

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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