

Converting Colors

XYZ(28.3001, 16.6487, 5.5411)

Have a look what the booklet for
XYZ(28.3001, 16.6487, 5.5411)
contains.

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Color

**XYZ(28.2141, 16.6316,
5.5941)**

Conversions

Conversions Part 1

Format	Color
Hex	D03939
RGB	208, 57, 57
RGB Percent	82%, 22%, 22%
CMY	0.1843, 0.7764, 0.7765
CMYK	0.00, 0.73, 0.73, 0.18
HSL	0°, 62%, 52%
HSV	0°, 73%, 82%
XYZ	28.2141, 16.6316, 5.5941
YIQ	102.1490, 89.9960, 32.0120

Conversions

Conversions Part 2

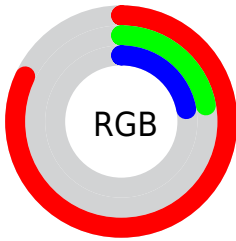
Format	Color
RYB	208, 57, 57
Decimal	13646137
CIELab	47.79, 58.57, 35.64
CIElCh	48, 68.560, 31.317
Yxy	16.6316, 0.5594, 0.3297
Android (android.graphics.Color)	4291836217 (0xFFD03939)
YUV	102.1490, -22.2585, 92.8313
Hunter-Lab	40.7819, 52.1233, 20.4144

Details

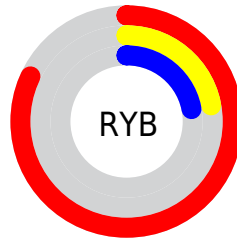
The XYZ color **28.2141, 16.6316, 5.5941** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.6257, 50.5303, 67.5498**, and the grayscale version is **12.7094, 13.3712, 14.5613**.

A 20% lighter version of the original color is **49.8071, 34.3145, 17.3628**, and **11.9333, 6.1427, 0.9722** is the 20% darker color. If you saturate the color by 10%, you get **26.9711, 14.8131, 3.1229**, and if you desaturate by 10%, it is **30.0912, 19.3788, 9.3248**.

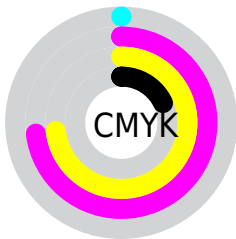
Distribution



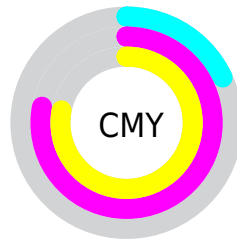
- Red (82%)
- Green (22%)
- Blue (22%)



- Red (82%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (73%)
- Black (18%)





- Cyan (18%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2141, 16.6316, 5.5941 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 28.2141, 16.6316, 5.5941 by changing the saturation by 10% instead.

 28.2141, 16.6316,
5.5941


 28.2141, 16.6316,
5.5941

285.5501,
233.0404, 164.5701


 18.6284, 9.9722,
2.5351


 56.2323, 37.6913,
17.5453


 11.5045, 5.3805,
0.8587


 75.3956, 52.8603,
27.2746

 6.4770, 2.4722,
0.0000


 98.4820, 71.6347,
40.0644

 3.1806, 0.8627,
0.0000

 125.8571, 94.3988,
56.3333

 1.2500, 0.0000,
0.0000

 157.8860,
121.5370, 76.4997

 0.1453, 0.0000,
0.0000

 194.9343,

 0.0000, 0.0000,

153.4338, 100.9823

0.0000

237.3672,
190.4734, 130.1996

■ 28.2141, 16.6316,
5.5941

■ 28.2141, 16.6316,
5.5941

■ 26.9711, 14.8131,
3.1229

■ 30.0912, 19.3788,
9.3248

■ 26.2781, 13.7989,
1.7455


■ 32.6702, 23.1527,
14.4516


■ 26.0124, 13.4101,
1.2174


■ 36.0115, 28.0420,
21.0938


■ 40.1688, 34.1254,
29.3583

■ 45.1909, 41.4741,
39.3420

 51.1226, 50.1539,
51.1342

 58.0060, 60.2262,
64.8182

 65.8801, 71.7482,
80.4719

 74.7821, 84.7742,
98.1691

Harmonies

Analogous

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



30.8208, 16.6316, 17.3415



28.2141, 16.6316, 5.5941



22.1894, 16.6316, 1.6850

Triad

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



28.2141, 16.6316, 5.5941



7.5380, 16.6316, 6.2332



16.0812, 16.6316, 77.4455

Complementary

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



28.2141, 16.6316, 5.5941



35.6257, 50.5303, 67.5498

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.



10.7846, 16.6316, 67.0262



28.2141, 16.6316, 5.5941



6.6883, 16.6316, 18.8987

Square

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



28.2141, 16.6316, 5.5941



10.4238, 16.6316, 1.8500



7.7051, 16.6316, 42.0301



22.7849, 16.6316, 65.1806

Rectangle

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



28.2141, 16.6316, 5.5941



17.6609, 16.6316, 1.0238



7.7051, 16.6316, 42.0301



14.0891, 16.6316, 76.4508

Sweetspot

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



28.2145, 16.6326, 5.5944



71.9385, 66.1815, 62.9547



38.8605, 20.8902, 61.6581



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.



28.2145, 16.6326, 5.5944



42.0651, 22.4676, 3.5695



35.0700, 30.3437, 7.8795



11.8088, 11.8084, 12.2689



16.2125, 8.3580, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



35.6257, 50.5303, 67.5498



54.4372, 79.0561, 106.9980



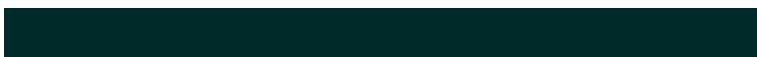
21.3917, 22.0624, 62.8051



12.1584, 13.4070, 15.1906



21.1518, 30.9503, 42.0517



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 28.2141, 16.6316, 5.5941 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 28.2141, 16.6316, 5.5941

Background



This preview shows how black text looks on a background with the XYZ color 28.2141, 16.6316, 5.5941.



This preview shows how white text looks on a background with the XYZ color 28.2141, 16.6316,

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

28.2141, 16.6316, 5.5941

Protanopia

15.6340, 16.8415, 9.2642

Deuteranopia

17.1575, 16.9015, 5.1543



Tritanopia

28.2650, 16.6519, 5.8621

Trichromacy



Original Color

28.2141, 16.6316, 5.5941

Protanomaly

18.5061, 15.2269, 7.5939

Deuteranomaly

19.9796, 15.6583, 5.1013

Tritanomaly

28.2393, 16.6416, 5.7268

Monochromacy



Original Color

28.2141, 16.6316, 5.5941

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.9920, 12.9902, 10.4686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2141, 16.6316, 5.5941 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(208, 57, 57)` looks like.

```
.text, #text, p{  
    color:rgb(208, 57, 57)  
}
```

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(208, 57, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 57, 57) }
```

Border

The CSS property to change the border of an element to XYZ 28.2141, 16.6316, 5.5941 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(208, 57, 57) }
```


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

```
.border{ border-color:rgb(208, 57, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 57, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 57, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 57, 57);  
box-shadow:4px 4px 4px 4px rgb(208, 57,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2141, 16.6316, 5.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 57, 57) }
```

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

```
.background{ background-color: rgb(208, 57,  
57) }
```

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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