

Converting Colors

XYZ(28.3313, 16.4070, 5.6766)

Have a look what the booklet for
XYZ(28.3313, 16.4070, 5.6766)
contains.

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Color

**XYZ(28.3313, 16.4070,
5.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	D1353A
RGB	209, 53, 58
RGB Percent	82%, 21%, 23%
CMY	0.1804, 0.7921, 0.7725
CMYK	0.00, 0.75, 0.72, 0.18
HSL	358°, 63%, 51%
HSV	358°, 75%, 82%
XYZ	28.3313, 16.4070, 5.6766
YIQ	100.2140, 91.3710, 34.6270

Conversions

Conversions Part 2

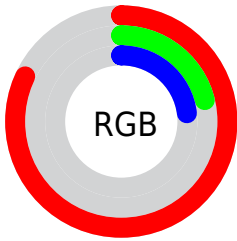
Format	Color
RYB	209, 53, 58
Decimal	13710650
CIELab	47.50, 60.28, 34.77
CIELCh	48, 69.588, 29.982
Yxy	16.4070, 0.5620, 0.3254
Android (android.graphics.Color)	4291900730 (0xFFD1353A)
YUV	100.2140, -20.8115, 95.4053
Hunter-Lab	40.5056, 53.9657, 20.0448

Details

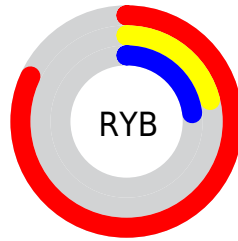
The XYZ color **28.3313, 16.4070, 5.6766** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.1695, 50.7179, 65.0694**, and the grayscale version is **12.2041, 12.8397, 13.9824**.

A 20% lighter version of the original color is **49.4742, 33.6488, 17.2519**, and **11.9476, 6.1484, 1.0473** is the 20% darker color. If you saturate the color by 10%, you get **27.1600, 14.7327, 3.2264**, and if you desaturate by 10%, it is **30.1207, 18.9944, 9.3301**.

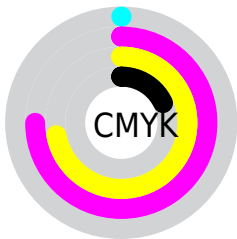
Distribution



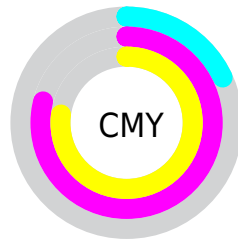
- Red (82%)
- Green (21%)
- Blue (23%)



- Red (82%)
- Yellow (21%)
- Blue (23%)



- Cyan (0%)
- Magenta (75%)
- Yellow (72%)
- Black (18%)





- Cyan (18%)
- Magenta (79%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3313, 16.4070, 5.6766 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 28.3313, 16.4070, 5.6766 by changing the saturation by 10% instead.


 28.3313, 16.4070,
5.6766

 28.3313, 16.4070,
5.6766


286.0981,
231.7315, 165.3537


 18.7173, 9.8126,
2.5839


 56.4179, 37.3033,
17.7218


 11.5690, 5.2749,
0.8841


 75.6212, 52.3741,
27.5113


 6.5210, 2.4094,
0.0000


 98.7516, 71.0391,
40.3702

 3.2080, 0.8307,
0.0000

 126.1745, 93.6827,
56.7170

 1.2647, 0.0000,
0.0000

 158.2552,
120.6894, 76.9702

 0.1566, 0.0000,
0.0000

 195.3592,

 0.0000, 0.0000,

152.4435, 101.5483

0.0000

237.8517,
189.3294, 130.8700

■ 28.3313, 16.4070,
5.6766

■ 28.3313, 16.4070,
5.6766

■ 27.1600, 14.7327,
3.2264

■ 30.1207, 18.9944,
9.3301

■ 26.5219, 13.8416,
1.8265

■ 32.5961, 22.5964,
14.3139

■ 26.3309, 13.5699,
1.4234

■ 35.8180, 27.3042,
20.7393

■ 39.8397, 33.1982,
28.7061

■ 44.7097, 40.3513,
38.3050

■ 50.4728, 48.8304,
49.6197

■ 57.1705, 58.6979,
62.7283

■ 64.8417, 70.0121,
77.7040

■ 73.5232, 82.8279,
94.6160

Harmonies

Analogous

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



30.7677, 16.4070, 17.8751



28.3313, 16.4070, 5.6766



22.3331, 16.4070, 1.6245

Triad

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



28.3313, 16.4070, 5.6766



7.3968, 16.4070, 5.6680



15.5906, 16.4070, 78.1613

Complementary

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



28.3313, 16.4070, 5.6766



35.1695, 50.7179, 65.0694

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.



10.3691, 16.4070, 66.5654



28.3313, 16.4070, 5.6766



6.4683, 16.4070, 17.8538

Square

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



28.3313, 16.4070, 5.6766



10.3740, 16.4070, 1.6223



7.3945, 16.4070, 40.8648



22.3249, 16.4070, 66.5911

Rectangle

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



28.3313, 16.4070, 5.6766



17.7562, 16.4070, 0.9352



7.3945, 16.4070, 40.8648



13.6156, 16.4070, 76.7802

Sweetspot

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



28.3317, 16.4080, 5.6768



72.1471, 66.2635, 64.0574



37.6292, 19.9598, 62.1905



14.9452, 13.4520, 12.7333



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.



28.3317, 16.4080, 5.6768



41.8707, 22.0857, 3.4832



34.3732, 28.6845, 7.0946



11.8238, 11.8143, 12.3482



16.2419, 8.3696, 0.9140



0.9136, 0.4702, 0.0801

Inverse Universe

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



28.3317, 16.4080, 5.6768



41.8707, 22.0857, 3.4832



21.8104, 23.0268, 63.6162



11.8238, 11.8143, 12.3482



16.2419, 8.3696, 0.9140



0.9136, 0.4702, 0.0801

Previews

White Background



This preview shows how the XYZ color 28.3313, 16.4070, 5.6766 looks on a white background.

Color Contrast Check

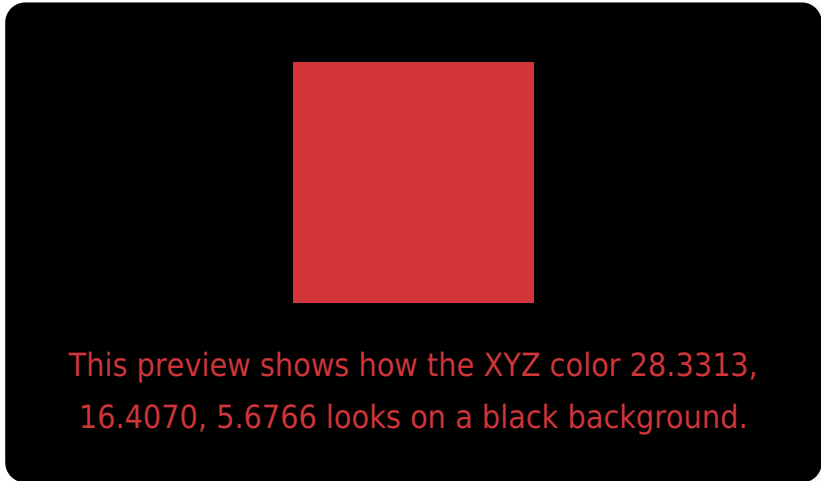
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3313, 16.4070, 5.6766

Background



This preview shows how black text looks on a background with the XYZ color 28.3313, 16.4070, 5.6766.



This preview shows how white text looks on a background with the XYZ color 28.3313, 16.4070,

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

28.3313, 16.4070, 5.6766

Protanopia

15.4848, 16.5857, 9.7824

Deuteranopia

16.8806, 16.6012, 5.1110



Tritanopia

28.2572, 16.3774, 5.2863

Trichromacy



Original Color

28.3313, 16.4070, 5.6766

Protanomaly

18.2048, 14.8071, 7.8598

Deuteranomaly

19.8354, 15.3344, 5.1632

Tritanomaly

28.2814, 16.3870, 5.4138

Monochromacy



Original Color

28.3313, 16.4070, 5.6766

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.5482, 12.4178, 10.1717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3313, 16.4070, 5.6766 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(209, 53, 58)` looks like.

```
.text, #text, p{  
    color:rgb(209, 53, 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(209, 53, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 53, 58) }
```

Border

The CSS property to change the border of an element to XYZ 28.3313, 16.4070, 5.6766 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(209, 53, 58) }
```


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

```
.border{ border-color:rgb(209, 53, 58) }
```

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

Here you see how a box with a 4 pixel rgb(209, 53, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 53, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 53, 58);  
box-shadow:4px 4px 4px 4px rgb(209, 53,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3313, 16.4070, 5.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 53, 58) }
```

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

```
.background{ background-color: rgb(209, 53,  
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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