

Converting Colors

XYZ(28.6341, 16.7099, 5.3306)

Have a look what the booklet for
XYZ(28.6341, 16.7099, 5.3306)
contains.

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Color

**XYZ(28.6341, 16.7099,
5.3306)**

Conversions

Conversions Part 1

Format	Color
Hex	D23737
RGB	210, 55, 55
RGB Percent	82%, 22%, 22%
CMY	0.1765, 0.7843, 0.7843
CMYK	0.00, 0.74, 0.74, 0.18
HSL	0°, 63%, 52%
HSV	0°, 74%, 82%
XYZ	28.6341, 16.7099, 5.3306
YIQ	101.3450, 92.3800, 32.8600

Conversions

Conversions Part 2

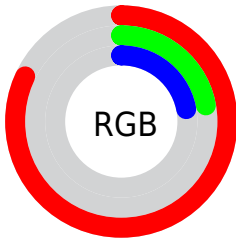
Format	Color
RYB	210, 55, 55
Decimal	13776695
CIELab	47.89, 59.79, 36.99
CIElCh	48, 70.307, 31.748
Yxy	16.7099, 0.5651, 0.3297
Android (android.graphics.Color)	4291966775 (0xFFD23737)
YUV	101.3450, -22.8481, 95.2904
Hunter-Lab	40.8777, 53.4999, 20.8828

Details

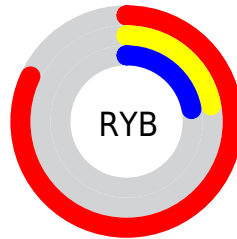
The XYZ color **28.6341, 16.7099, 5.3306** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.2519, 51.5524, 69.0121**, and the grayscale version is **12.5007, 13.1518, 14.3223**.

A 20% lighter version of the original color is **49.5434, 34.0296, 16.5275**, and **12.0990, 6.2296, 0.9126** is the 20% darker color. If you saturate the color by 10%, you get **27.4393, 14.9619, 2.9552**, and if you desaturate by 10%, it is **30.4678, 19.3937, 8.9751**.

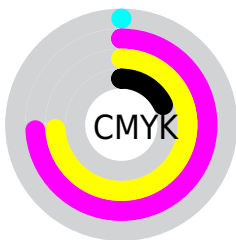
Distribution



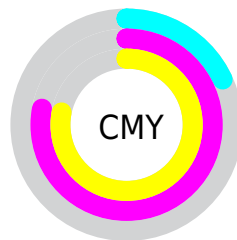
- Red (82%)
- Green (22%)
- Blue (22%)



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



- Cyan (0%)
- Magenta (74%)
- Yellow (74%)
- Black (18%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6341, 16.7099, 5.3306 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 28.6341, 16.7099, 5.3306 by changing the saturation by 10% instead.


 28.6341, 16.7099,
5.3306


 28.6341, 16.7099,
5.3306


287.5100,
233.4950, 162.0317


 18.9471, 10.0279,
2.3804


 56.8968, 37.8263,
16.9778


 11.7358, 5.4174,
0.7757


 76.2033, 53.0295,
26.5120

 6.6350, 2.4942,
0.0000


 99.4469, 71.8418,
39.0778

 3.2792, 0.8737,
0.0000

 126.9930, 94.6478,
55.0939

 1.3031, 0.0000,
0.0000

 159.2070,
121.8317, 74.9788

 0.1855, 0.0000,
0.0000

 196.4543,

 0.0000, 0.0000,

153.7779, 99.1510

0.0000

239.1002,
190.8709, 128.0292

■ 28.6341, 16.7099,
5.3306

■ 28.6341, 16.7099,
5.3306

■ 27.4393, 14.9619,
2.9552

■ 30.4678, 19.3937,
8.9751

■ 26.7949, 14.0188,
1.6745


■ 33.0113, 23.1156,
14.0313


■ 26.5783, 13.7018,
1.2439


■ 36.3274, 27.9681,
20.6234


■ 40.4718, 34.0325,
28.8621

■ 45.4948, 41.3826,
38.8477

 51.4430, 50.0865,
50.6725

 58.3595, 60.2072,
64.4225

 66.2848, 71.8041,
80.1781

 75.2572, 84.9330,
98.0152

Harmonies

Analogous

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



31.4068, 16.7099, 17.1521



28.6341, 16.7099, 5.3306



22.3638, 16.7099, 1.5267

Triad

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



28.6341, 16.7099, 5.3306



7.3964, 16.7099, 6.1845



16.2562, 16.7099, 79.9509

Complementary

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



28.6341, 16.7099, 5.3306



36.2519, 51.5524, 69.0121

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.



10.7923, 16.7099, 69.3658



28.6341, 16.7099, 5.3306



6.5626, 16.7099, 19.2777

Square

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



28.6341, 16.7099, 5.3306



10.3031, 16.7099, 1.7396



7.6215, 16.7099, 43.3696



23.1810, 16.7099, 66.8045

Rectangle

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



28.6341, 16.7099, 5.3306



17.6928, 16.7099, 0.9084



7.6215, 16.7099, 43.3696



14.1996, 16.7099, 79.0303

Sweetspot

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



28.6345, 16.7109, 5.3309



71.9386, 66.1816, 62.9547



39.5771, 21.0871, 62.9565



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.



28.6345, 16.7109, 5.3309



41.8670, 22.1778, 3.1758



35.5869, 30.6158, 7.6483



11.8089, 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.



36.2519, 51.5524, 69.0121



54.2849, 78.9768, 106.9907



21.5276, 22.1038, 64.1040



12.1584, 13.4070, 15.1906



21.1516, 30.9499, 42.0516



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 28.6341, 16.7099, 5.3306 looks on a white background.

Color Contrast Check

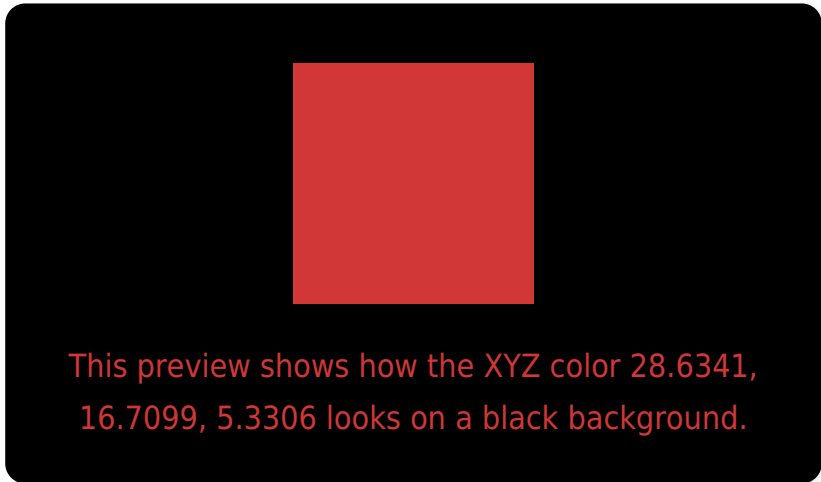
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6341, 16.7099, 5.3306

Background



This preview shows how black text looks on a background with the XYZ color 28.6341, 16.7099, 5.3306.



This preview shows how white text looks on a background with the XYZ color 28.6341, 16.7099,

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

28.6341, 16.7099, 5.3306

Protanopia

15.5995, 16.8277, 9.0825

Deuteranopia

17.0976, 16.8775, 4.8392



Tritanopia

28.6830, 16.7294, 5.5882

Trichromacy



Original Color

28.6341, 16.7099, 5.3306

Protanomaly

18.4753, 15.2146, 7.4318

Deuteranomaly

20.0631, 15.5820, 4.8559

Tritanomaly

28.6583, 16.7195, 5.4581

Monochromacy



Original Color

28.6341, 16.7099, 5.3306

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.7551, 12.6435, 9.9976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6341, 16.7099, 5.3306 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(210, 55, 55)` looks like.

```
.text, #text, p{  
    color:rgb(210, 55, 55)  
}
```

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(210, 55, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 55, 55) }
```

Border

The CSS property to change the border of an element to XYZ 28.6341, 16.7099, 5.3306 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(210, 55, 55) }
```


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

```
.border{ border-color:rgb(210, 55, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 55, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 55, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 55, 55);  
box-shadow:4px 4px 4px 4px rgb(210, 55,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6341, 16.7099, 5.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 55, 55) }
```

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

```
.background{ background-color: rgb(210, 55,  
55) }
```

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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