

Converting Colors

XYZ(30.1699, 16.8990, 5.1849)

Have a look what the booklet for
XYZ(30.1699, 16.8990, 5.1849)
contains.

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Color

**XYZ(30.2581, 16.9720,
5.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	D92E36
RGB	217, 46, 54
RGB Percent	85%, 18%, 21%
CMY	0.1490, 0.8196, 0.7882
CMYK	0.00, 0.79, 0.75, 0.15
HSL	357°, 69%, 52%
HSV	357°, 79%, 85%
XYZ	30.2581, 16.9720, 5.1712
YIQ	98.0410, 99.3480, 38.7400

Conversions

Conversions Part 2

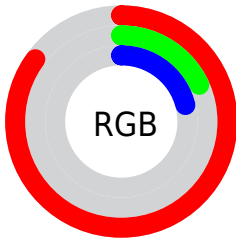
Format	Color
R _Y B	217, 46, 54
Decimal	14233142
CIE Lab	48.22, 64.58, 38.30
CIE LCh	48, 75.081, 30.675
Yxy	16.9720, 0.5774, 0.3239
Android (android.graphics.Color)	4292423222 (0xFFD92E36)
YUV	98.0410, -21.7122, 104.3270
Hunter-Lab	41.1971, 59.0083, 21.3957

Details

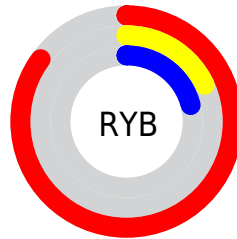
The XYZ color **30.2581, 16.9720, 5.1712** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.4502, 54.8106, 68.9354**, and the grayscale version is **11.6561, 12.2632, 13.3546**.

A 20% lighter version of the original color is **48.9515, 32.9247, 16.0870**, and **13.1973, 6.7965, 0.9329** is the 20% darker color. If you saturate the color by 10%, you get **29.2272, 15.5295, 2.9191**, and if you desaturate by 10%, it is **31.9242, 19.3550, 8.6539**.

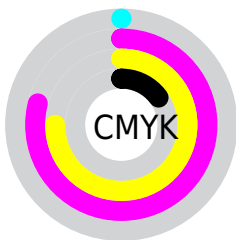
Distribution



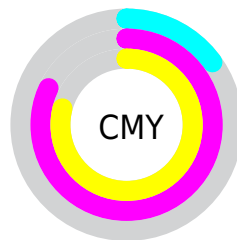
- Red (85%)
- Green (18%)
- Blue (21%)



- Red (85%)
- Yellow (18%)
- Blue (21%)



- Cyan (0%)
- Magenta (79%)
- Yellow (75%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2581, 16.9720, 5.1712 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 30.2581, 16.9720, 5.1712 by changing the saturation by 10% instead.

 30.2581, 16.9720,
5.1712


 30.2581, 16.9720,
5.1712


294.9940,
235.0110, 160.4685


 20.1836, 10.2145,
2.2876


 59.4539, 38.2776,
16.6317


 12.6376, 5.5414,
0.7242


 79.3060, 53.5946,
26.0456


 7.2548, 2.5683,
0.0000


 103.1480, 72.5335,
38.4733

 3.6697, 0.9108,
0.0000

 131.3452, 95.4787,
54.3334

 1.5170, 0.0000,
0.0000

 164.2631,
122.8147, 74.0445

 0.3374, 0.0000,
0.0000

 202.2669,

 0.0000, 0.0000,

154.9258, 98.0250

0.0000

245.7221,
192.1964, 126.6935

■ 30.2581, 16.9720,
5.1712

■ 30.2581, 16.9720,
5.1712

■ 29.2272, 15.5295,
2.9191

■ 31.9242, 19.3550,
8.6539

■ 28.7137, 14.8365,
1.7187


■ 34.3046, 22.7985,
13.5082


■ 28.6706, 14.7738,
1.6316


■ 37.4678, 27.4077,
19.8567


■ 41.4743, 33.2745,
27.8082

■ 46.3784, 40.4818,
37.4615

 52.2301, 49.1052,
48.9074

 59.0755, 59.2147,
62.2301

 66.9579, 70.8757,
77.5087

 75.9178, 84.1497,
94.8177

Harmonies

Analogous

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



33.1368, 16.9720, 18.0402



30.2581, 16.9720, 5.1712



23.4513, 16.9720, 1.2629

Triad

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



30.2581, 16.9720, 5.1712



7.1806, 16.9720, 5.5065



16.2866, 16.9720, 87.3101

Complementary

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



30.2581, 16.9720, 5.1712



37.4502, 54.8106, 68.9354

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.



10.5192, 16.9720, 74.4442



30.2581, 16.9720, 5.1712



6.2445, 16.9720, 18.9262

Square

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



30.2581, 16.9720, 5.1712



10.3190, 16.9720, 1.3384



7.2712, 16.9720, 45.0555



23.7968, 16.9720, 73.3283

Rectangle

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



30.2581, 16.9720, 5.1712



18.3529, 16.9720, 0.6332



7.2712, 16.9720, 45.0555



14.0968, 16.9720, 85.9262

Sweetspot

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



30.2585, 16.9730, 5.1714



70.5263, 63.7702, 61.2103



39.6410, 20.4400, 67.5012



14.4705, 12.7289, 11.8773



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.



30.2585, 16.9730, 5.1714



41.5463, 21.6077, 2.8487



36.1862, 29.1043, 6.2967



13.0806, 13.0613, 13.6855



17.3665, 8.9477, 1.0443



1.1340, 0.5832, 0.1144

Inverse Universe

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



30.2585, 16.9730, 5.1714



41.5463, 21.6077, 2.8487



23.0379, 24.3634, 69.1335



13.0806, 13.0613, 13.6855



17.3665, 8.9477, 1.0443



1.1340, 0.5832, 0.1144

Previews

White Background



This preview shows how the XYZ color 30.2581, 16.9720, 5.1712 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 30.2581, 16.9720, 5.1712 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 30.2581, 16.9720, 5.1712

Background



This preview shows how black text looks on a background with the XYZ color 30.2581, 16.9720, 5.1712.



This preview shows how white text looks on a background with the XYZ color 30.2581, 16.9720,

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

30.2581, 16.9720, 5.1712

Protanopia

15.8927, 17.1432, 9.3088

Deuteranopia

17.5136, 17.2556, 4.6931



Tritanopia

30.1653, 16.9981, 4.4874

Trichromacy



Original Color

30.2581, 16.9720, 5.1712

Protanomaly

18.8001, 14.9988, 7.3730

Deuteranomaly

20.7159, 15.6796, 4.6239

Tritanomaly

30.2075, 17.0150, 4.7097

Monochromacy



Original Color

30.2581, 16.9720, 5.1712

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

15.3035, 11.8639, 9.4660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2581, 16.9720, 5.1712 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(217, 46, 54)` looks like.

```
.text, #text, p{  
    color:rgb(217, 46, 54)  
}
```

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(217, 46, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 46, 54) }
```

Border

The CSS property to change the border of an element to XYZ 30.2581, 16.9720, 5.1712 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(217, 46, 54) }
```


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

```
.border{ border-color:rgb(217, 46, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 46, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 46, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 46, 54);  
box-shadow:4px 4px 4px 4px rgb(217, 46,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2581, 16.9720, 5.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 46, 54) }
```

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

```
.background{ background-color: rgb(217, 46,  
54) }
```

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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