

Converting Colors

XYZ(28.8309, 16.2291, 8.0915)

Have a look what the booklet for
XYZ(28.8309, 16.2291, 8.0915)
contains.

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Color

**XYZ(28.8309, 16.2291,
8.0915)**

Conversions

Conversions Part 1

Format	Color
Hex	D22F4A
RGB	210, 47, 74
RGB Percent	82%, 18%, 29%
CMY	0.1765, 0.8156, 0.7098
CMYK	0.00, 0.78, 0.65, 0.18
HSL	350°, 64%, 50%
HSV	350°, 78%, 82%
XYZ	28.8309, 16.2291, 8.0915
YIQ	98.8150, 88.4810, 42.9530

Conversions

Conversions Part 2

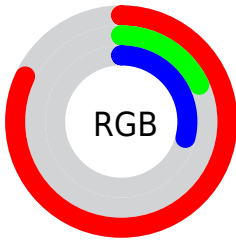
Format	Color
RYB	210, 47, 74
Decimal	13774666
CIELab	47.27, 63.22, 25.01
CIELCh	47, 67.987, 21.582
Yxy	16.2291, 0.5424, 0.3053
Android (android.graphics.Color)	4291964746 (0xFFD22F4A)
YUV	98.8150, -12.2338, 97.5092
Hunter-Lab	40.2854, 57.2472, 16.2911

Details

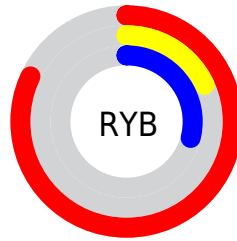
The XYZ color **28.8309, 16.2291, 8.0915** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.7679, 50.1170, 52.7531**, and the grayscale version is **11.8288, 12.4448, 13.5524**.

A 20% lighter version of the original color is **50.1154, 33.3903, 22.2159**, and **12.4601, 6.3948, 1.8739** is the 20% darker color. If you saturate the color by 10%, you get **27.6734, 14.7312, 5.1877**, and if you desaturate by 10%, it is **30.5571, 18.6018, 11.9962**.

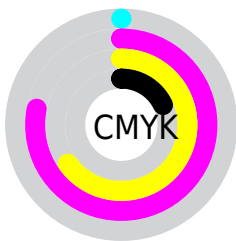
Distribution



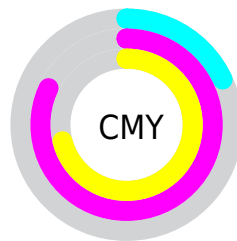
- Red (82%)
- Green (18%)
- Blue (29%)



- Red (82%)
- Yellow (18%)
- Blue (29%)



- Cyan (0%)
- Magenta (78%)
- Yellow (65%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8309, 16.2291, 8.0915 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 28.8309, 16.2291, 8.0915 by changing the saturation by 10% instead.

 28.8309, 16.2291,
8.0915


 28.8309, 16.2291,
8.0915


288.4249,
230.6898, 186.4093


 19.0966, 9.6864,
4.0649


 57.2077, 36.9955,
22.6868


 11.8445, 5.1915,
1.6610


 76.5809, 51.9880,
34.0925

 6.7093, 2.3601,
0.3338


 99.8978, 70.5658,
48.7951

 3.3257, 0.8052,
0.0000

 127.5238, 93.1135,
67.2131

 1.3282, 0.0000,
0.0000

 159.8241,
120.0153, 89.7649

 0.2042, 0.0000,
0.0000

197.1641,

 0.0000, 0.0000,

151.6557, 116.8692

0.0000

239.9093,
188.4191, 148.9445

■ 28.8309, 16.2291,
8.0915

■ 28.8309, 16.2291,
8.0915

■ 27.6734, 14.7312,
5.1877

■ 30.5571, 18.6018,
11.9962

■ 26.9981, 13.9566,
3.1864


■ 32.9145, 21.9536,
16.9836


■ 26.8782, 13.8216,
2.8236


■ 35.9582, 26.3773,
23.1277


■ 39.7373, 31.9541,
30.4956

■ 44.2959, 38.7572,
39.1492

 49.6748, 46.8539,
49.1461

 55.9120, 56.3065,
60.5406

 63.0429, 67.1734,
73.3838

 71.1010, 79.5093,
87.7242

Harmonies

Analogous

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



29.8819, 16.2291, 22.9621



28.8309, 16.2291, 8.0915



23.7612, 16.2291, 2.3679

Triad

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



28.8309, 16.2291, 8.0915



8.0375, 16.2291, 4.0653



13.7973, 16.2291, 74.6398

Complementary

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



28.8309, 16.2291, 8.0915



32.7679, 50.1170, 52.7531

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.



9.3101, 16.2291, 58.2510



28.8309, 16.2291, 8.0915



6.5966, 16.2291, 13.2619

Square

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



28.8309, 16.2291, 8.0915



11.5593, 16.2291, 1.3138



6.9928, 16.2291, 32.8212



20.0693, 16.2291, 69.6342

Rectangle

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



28.8309, 16.2291, 8.0915



19.3646, 16.2291, 1.2065



6.9928, 16.2291, 32.8212



12.0601, 16.2291, 71.2020

Sweetspot

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



28.8313, 16.2301, 8.0917



72.2070, 65.3571, 67.2410



32.1391, 16.7343, 62.5086



14.8279, 13.0466, 13.2206



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.



28.8313, 16.2301, 8.0917



42.1953, 21.9843, 5.9057



31.7785, 23.2808, 5.5095



11.8875, 11.8397, 12.6832



16.4204, 8.4410, 1.8541



0.9435, 0.4821, 0.2373

Inverse Universe

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



28.8313, 16.2301, 8.0917



42.1953, 21.9843, 5.9057



24.6390, 28.9243, 65.2568



11.8875, 11.8397, 12.6832



16.4204, 8.4410, 1.8541



0.9435, 0.4821, 0.2373

Previews

White Background



This preview shows how the XYZ color 28.8309, 16.2291, 8.0915 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 28.8309, 16.2291, 8.0915 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 28.8309, 16.2291, 8.0915

Background



This preview shows how black text looks on a background with the XYZ color 28.8309, 16.2291, 8.0915.

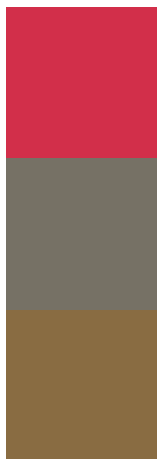


This preview shows how white text looks on a background with the XYZ color 28.8309, 16.2291,

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

28.8309, 16.2291, 8.0915

Protanopia

15.7253, 16.6014, 14.6875

Deuteranopia

16.6625, 16.4368, 7.4487



Tritanopia

28.1209, 16.1800, 5.0091

Trichromacy



Original Color

28.8309, 16.2291, 8.0915

Protanomaly

18.2232, 14.4794, 11.7319

Deuteranomaly

19.7118, 14.9778, 7.4823

Tritanomaly

28.2774, 16.1734, 6.0463

Monochromacy



Original Color

28.8309, 16.2291, 8.0915

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.3616, 11.9645, 11.1726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8309, 16.2291, 8.0915 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, 47, 74)` looks like.

```
.text, #text, p{  
    color:rgb(210, 47, 74)  
}
```

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, 47, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 47, 74) }
```

Border

The CSS property to change the border of an element to XYZ 28.8309, 16.2291, 8.0915 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, 47, 74) }
```


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

```
.border{ border-color:rgb(210, 47, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 47, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 47, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 47, 74);  
box-shadow:4px 4px 4px 4px rgb(210, 47,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8309, 16.2291, 8.0915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 47, 74) }
```

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

```
.background{ background-color: rgb(210, 47,  
74) }
```

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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