

Converting Colors

XYZ(27.8610, 16.1149, 4.8921)

Have a look what the booklet for
XYZ(27.8610, 16.1149, 4.8921)
contains.

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Color

**XYZ(27.8602, 16.1138,
4.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	D03434
RGB	208, 52, 52
RGB Percent	82%, 20%, 20%
CMY	0.1843, 0.7960, 0.7961
CMYK	0.00, 0.75, 0.75, 0.18
HSL	0°, 62%, 51%
HSV	0°, 75%, 82%
XYZ	27.8602, 16.1138, 4.8907
YIQ	98.6440, 92.9760, 33.0720

Conversions

Conversions Part 2

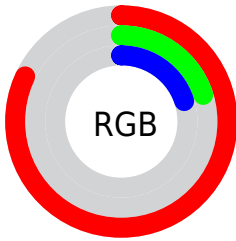
Format	Color
RYB	208, 52, 52
Decimal	13644852
CIELab	47.12, 60.05, 37.74
CIElCh	47, 70.928, 32.146
Yxy	16.1138, 0.5701, 0.3298
Android (android.graphics.Color)	4291834932 (0xFFD03434)
YUV	98.6440, -22.9955, 95.9052
Hunter-Lab	40.1420, 53.6379, 20.8758

Details

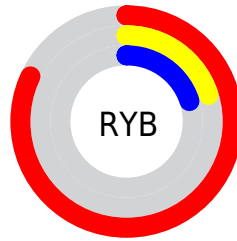
The XYZ color **27.8602, 16.1138, 4.8907** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.3542, 50.3899, 67.5368**, and the grayscale version is **11.8110, 12.4261, 13.5320**.

A 20% lighter version of the original color is **49.1766, 33.5297, 15.6844**, and **11.7209, 6.0373, 0.7773** is the 20% darker color. If you saturate the color by 10%, you get **26.7577, 14.5009, 2.6989**, and if you desaturate by 10%, it is **29.5783, 18.6284, 8.3054**.

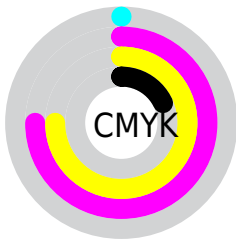
Distribution



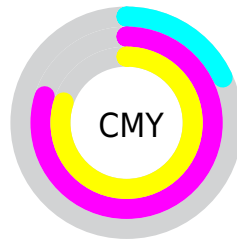
- Red (82%)
- Green (20%)
- Blue (20%)



- Red (82%)
- Yellow (20%)
- Blue (20%)



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





- Cyan (18%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8602, 16.1138, 4.8907 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 27.8602, 16.1138, 4.8907 by changing the saturation by 10% instead.


 27.8602, 16.1138,
4.8907


 27.8602, 16.1138,
4.8907


283.8905,
230.0123, 157.6635


 18.3602, 9.6047,
2.1257


 55.6714, 36.7957,
16.0168


 11.3102, 5.1377,
0.6310


 74.7133, 51.7372,
25.2150

 6.3447, 2.3283,
0.0000


 97.6665, 70.2584,
37.3946

 3.0984, 0.7886,
0.0000

 124.8965, 92.7436,
52.9742

 1.2060, 0.0000,
0.0000

 156.7685,
119.5772, 72.3724

 0.1111, 0.0000,
0.0000

 193.6479,

 0.0000, 0.0000,

151.1435, 96.0076

0.0000

235.9002,
187.8271, 124.2984

■ 27.8602, 16.1138,
4.8907

■ 27.8602, 16.1138,
4.8907

■ 26.7577, 14.5009,
2.6989

■ 29.5783, 18.6284,
8.3054

■ 26.1822, 13.6587,
1.5552

■ 31.9827, 22.1468,
13.0850

■ 26.0123, 13.4101,
1.2174

■ 35.1356, 26.7605,
19.3528

■ 39.0922, 32.5501,
27.2181

■ 43.9021, 39.5884,
36.7800

■ 49.6112, 47.9424,
48.1296

■ 56.2621, 57.6745,
61.3515

■ 63.8946, 68.8428,
76.5248

■ 72.5461, 81.5024,
93.7242

Harmonies

Analogous

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



30.6737, 16.1138, 16.2917



27.8602, 16.1138, 4.8907



21.6211, 16.1138, 1.3354

Triad

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



27.8602, 16.1138, 4.8907



6.9790, 16.1138, 5.9029



15.7686, 16.1138, 78.9949

Complementary

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



27.8602, 16.1138, 4.8907



35.3542, 50.3899, 67.5368

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.



10.3734, 16.1138, 68.7062



27.8602, 16.1138, 4.8907



6.1937, 16.1138, 18.8614

Square

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



27.8602, 16.1138, 4.8907



9.7857, 16.1138, 1.5797



7.2480, 16.1138, 42.8579



22.6136, 16.1138, 65.5639

Rectangle

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



27.8602, 16.1138, 4.8907



17.0114, 16.1138, 0.7680



7.2480, 16.1138, 42.8579



13.7366, 16.1138, 78.1860

Sweetspot

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



27.8606, 16.1148, 4.8909



71.9386, 66.1816, 62.9547



38.6253, 20.4198, 61.5796



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.



27.8606, 16.1148, 4.8909



41.7797, 22.0499, 3.0023



34.6147, 29.6230, 7.1423



11.8088, 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.



35.3542, 50.3899, 67.5368



54.2180, 78.9425, 106.9876



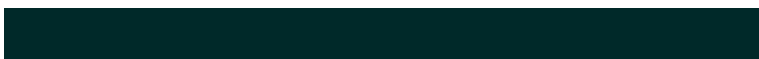
20.7839, 21.2493, 62.6801



12.1584, 13.4070, 15.1906



21.1517, 30.9500, 42.0516



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 27.8602, 16.1138, 4.8907 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 27.8602, 16.1138, 4.8907 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 27.8602, 16.1138, 4.8907

Background



This preview shows how black text looks on a background with the XYZ color 27.8602, 16.1138, 4.8907.



This preview shows how white text looks on a background with the XYZ color 27.8602, 16.1138,

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

27.8602, 16.1138, 4.8907

Protanopia

15.0999, 16.2542, 8.3028

Deuteranopia

16.4908, 16.2580, 4.4594



Tritanopia

27.8830, 16.1229, 5.0106

Trichromacy



Original Color

27.8602, 16.1138, 4.8907

Protanomaly

17.9080, 14.5525, 6.7155

Deuteranomaly

19.4184, 15.0130, 4.4591

Tritanomaly

27.8830, 16.1229, 5.0106

Monochromacy



Original Color

27.8602, 16.1138, 4.8907

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.1877, 12.1328, 9.5240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8602, 16.1138, 4.8907 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, 52, 52)` looks like.

```
.text, #text, p{  
    color:rgb(208, 52, 52)  
}
```

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, 52, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 52, 52) }
```

Border

The CSS property to change the border of an element to XYZ 27.8602, 16.1138, 4.8907 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, 52, 52) }
```


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

```
.border{ border-color:rgb(208, 52, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 52, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 52, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 52, 52);  
box-shadow:4px 4px 4px 4px rgb(208, 52,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8602, 16.1138, 4.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 52, 52) }
```

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

```
.background{ background-color: rgb(208, 52,  
52) }
```

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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