

Converting Colors

XYZ(27.7048, 14.4311, 4.0201)

Have a look what the booklet for
XYZ(27.7048, 14.4311, 4.0201)
contains.

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Color

**XYZ(27.8084, 14.4901,
4.0205)**

Conversions

Conversions Part 1

Format	Color
Hex	D40D2F
RGB	212, 13, 47
RGB Percent	83%, 5%, 18%
CMY	0.1686, 0.9489, 0.8157
CMYK	0.00, 0.94, 0.78, 0.17
HSL	350°, 88%, 44%
HSV	350°, 94%, 83%
XYZ	27.8084, 14.4901, 4.0205
YIQ	76.3770, 107.6900, 52.7620

Conversions

Conversions Part 2

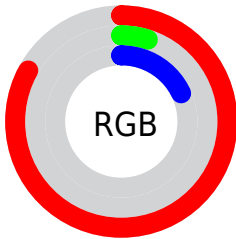
Format	Color
RYB	212, 13, 47
Decimal	13897007
CIELab	44.93, 69.31, 38.45
CIElCh	45, 79.262, 29.018
Yxy	14.4901, 0.6004, 0.3128
Android (android.graphics.Color)	4292087087 (0xFFD40D2F)
YUV	76.3770, -14.4829, 118.9414
Hunter-Lab	38.0659, 63.7850, 20.3839

Details

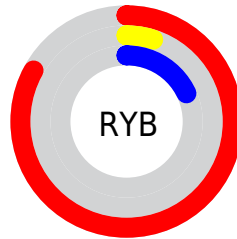
The XYZ color **27.8084, 14.4901, 4.0205** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.7495, 50.3884, 50.1916**, and the grayscale version is **6.9544, 7.3165, 7.9677**.

A 20% lighter version of the original color is **46.9569, 29.5325, 13.5814**, and **12.2237, 6.3003, 0.6292** is the 20% darker color. If you saturate the color by 10%, you get **27.4725, 14.1255, 2.9627**, and if you desaturate by 10%, it is **28.6721, 15.5315, 6.4243**.

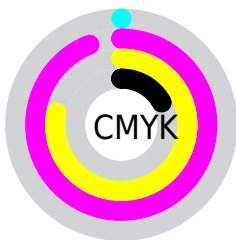
Distribution



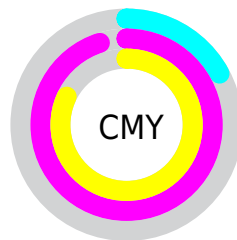
- Red (83%)
- Green (5%)
- Blue (18%)



- Red (83%)
- Yellow (5%)
- Blue (18%)



- Cyan (0%)
- Magenta (94%)
- Yellow (78%)
- Black (17%)





- Cyan (17%)
- Magenta (95%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8084, 14.4901, 4.0205 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 27.8084, 14.4901, 4.0205 by changing the saturation by 10% instead.

 27.8084, 14.4901,
4.0205


 27.8084, 14.4901,
4.0205


283.6470,
220.2588, 148.4530


 18.3210, 8.4623,
1.6366


 55.5892, 33.9561,
14.0570


 11.2818, 4.3922,
0.3167


 74.6133, 48.1632,
22.5467

 6.3254, 1.8953,
0.0000


 97.5470, 65.8655,
33.9087

 3.0865, 0.5455,
0.0000

 124.7556, 87.4473,
48.5616

 1.1996, 0.0000,
0.0000

 156.6046,
113.2932, 66.9240

 0.1061, 0.0000,
0.0000

 193.4592,

 0.0000, 0.0000,

143.7875, 89.4143

0.0000

235.6849,
179.3146, 116.4511

■ 27.8084, 14.4901,
4.0205

■ 27.8084, 14.4901,
4.0205

■ 27.4725, 14.1255,
2.9627

■ 28.6721, 15.5315,
6.4243

■ 30.0675, 17.3828,
9.7856

■ 32.0677, 20.1693,
14.1945

■ 34.7337, 23.9940,
19.7305

■ 38.1191, 28.9462,
26.4650

■ 42.2715, 35.1056,
34.4634

■ 47.2348, 42.5447,
43.7864

■ 53.0493, 51.3302,
54.4907

■ 59.7527, 61.5243,
66.6297

Harmonies

Analogous

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



30.3817, 14.4901, 16.3975



27.8084, 14.4901, 4.0205



21.2407, 14.4901, 0.6647

Triad

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



27.8084, 14.4901, 4.0205



5.6092, 14.4901, 3.6091



13.5597, 14.4901, 85.1991

Complementary

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



27.8084, 14.4901, 4.0205



31.7495, 50.3884, 50.1916

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.



8.2988, 14.4901, 70.4724



27.8084, 14.4901, 4.0205



4.6882, 14.4901, 15.1729

Square

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



27.8084, 14.4901, 4.0205



8.5658, 14.4901, 0.5697



5.4925, 14.4901, 40.2154



20.7502, 14.4901, 72.1461

Rectangle

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



27.8084, 14.4901, 4.0205



16.2872, 14.4901, 0.0000



5.4925, 14.4901, 40.2154



11.5307, 14.4901, 83.2176

Sweetspot

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



27.8087, 14.4910, 4.0207



68.2372, 59.3509, 59.9574



29.8249, 14.2169, 63.4592



13.9212, 11.6793, 11.5429



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.



27.8087, 14.4910, 4.0207



41.6858, 21.4383, 4.2775



29.8115, 19.2008, 2.5169



12.5089, 12.4551, 13.3541



16.9857, 8.7306, 1.9630



1.0515, 0.5374, 0.2608

Inverse Universe

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



27.8087, 14.4910, 4.0207



41.6858, 21.4383, 4.2775



22.7968, 26.3326, 66.1682



12.5089, 12.4551, 13.3541



16.9857, 8.7306, 1.9630



1.0515, 0.5374, 0.2608

Previews

White Background



This preview shows how the XYZ color 27.8084, 14.4901, 4.0205 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 27.8084, 14.4901, 4.0205

Background



This preview shows how black text looks on a background with the XYZ color 27.8084, 14.4901, 4.0205.



This preview shows how white text looks on a background with the XYZ color 27.8084, 14.4901,

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

27.8084, 14.4901, 4.0205

Protanopia

13.8360, 14.9620, 8.1199

Deuteranopia

15.0176, 14.7634, 3.4970



Tritanopia

27.2566, 14.4962, 1.8134

Trichromacy



Original Color

27.8084, 14.4901, 4.0205

Protanomaly

16.2009, 11.7883, 5.9789

Deuteranomaly

17.6443, 12.3068, 3.2792

Tritanomaly

27.2947, 14.3938, 2.3766

Monochromacy



Original Color

27.8084, 14.4901, 4.0205

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.6847, 7.2878, 5.8446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8084, 14.4901, 4.0205 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(212, 13, 47)` looks like.

```
.text, #text, p{  
    color:rgb(212, 13, 47)  
}
```

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(212, 13, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 13, 47) }
```

Border

The CSS property to change the border of an element to XYZ 27.8084, 14.4901, 4.0205 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(212, 13, 47) }
```


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

```
.border{ border-color:rgb(212, 13, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 13, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 13, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 13, 47);  
box-shadow:4px 4px 4px 4px rgb(212, 13,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8084, 14.4901, 4.0205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 13, 47) }
```

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

```
.background{ background-color: rgb(212, 13,  
47) }
```

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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