

Converting Colors

XYZ(26.9581, 13.7413, 8.3157)

Have a look what the booklet for
XYZ(26.9581, 13.7413, 8.3157)
contains.

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Color

**XYZ(27.0717, 13.8012,
8.2582)**

Conversions

Conversions Part 1

Format	Color
Hex	CF004D
RGB	207, 0, 77
RGB Percent	81%, 0%, 30%
CMY	0.1882, 0.9998, 0.6980
CMYK	0.00, 1.00, 0.63, 0.19
HSL	338°, 100%, 41%
HSV	338°, 100%, 81%
XYZ	27.0717, 13.8012, 8.2582
YIQ	70.6710, 98.6550, 67.8310

Conversions

Conversions Part 2

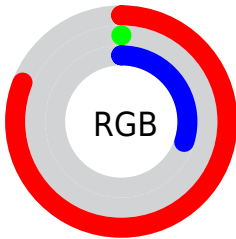
Format	Color
R_{YB}	207, 0, 77
Decimal	13566029
CIE Lab	43.95, 70.58, 18.70
CIE LCh	44, 73.019, 14.836
Yxy	13.8012, 0.5510, 0.2809
Android (android.graphics.Color)	4291756109 (0xFFCF004D)
YUV	70.6710, 3.1202, 119.5605
Hunter-Lab	37.1500, 65.0630, 12.8252

Details

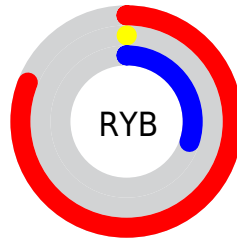
The XYZ color **27.0717, 13.8012, 8.2582** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **26.3452, 46.2385, 28.6697**, and the grayscale version is **5.9207, 6.2290, 6.7834**.

A 20% lighter version of the original color is **48.3499, 29.5571, 22.5588**, and **11.9658, 6.1352, 2.0669** is the 20% darker color. If you saturate the color by 10%, you get **27.0707, 13.8008, 8.2535**, and if you desaturate by 10%, it is **27.8410, 14.5304, 11.0107**.

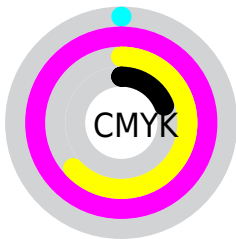
Distribution



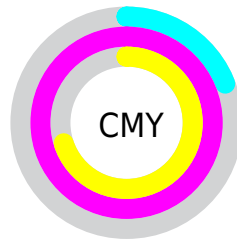
- Red (81%)
- Green (0%)
- Blue (30%)



- Red (81%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0717, 13.8012, 8.2582 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 27.0717, 13.8012, 8.2582 by changing the saturation by 10% instead.


 27.0717, 13.8012,
8.2582


 27.0717, 13.8012,
8.2582


280.1653,
215.9906, 187.7530


 17.7639, 7.9825,
4.1705


 54.4180, 32.7359,
23.0176

 10.8793, 4.0838,
1.7193


 73.1872, 46.6207,
34.5263

 6.0524, 1.7205,
0.3739


 95.8410, 63.9629,
49.3457

 2.9179, 0.4369,
0.0000

 122.7446, 85.1471,
67.8944

 1.1105, 0.0000,
0.0000

 154.2636,
110.5576, 90.5910

 0.0339, 0.0000,
0.0000

 190.7631,

 0.0000, 0.0000,

140.5787, 117.8539

0.0000

232.6085,
175.5949, 150.1017

■ 27.0717, 13.8012,
8.2582

■ 27.0717, 13.8012,
8.2582

■ 27.0707, 13.8008,
8.2535

■ 27.8410, 14.5304,
11.0107

■ 28.9887, 15.8613,
14.3670

■ 30.6151, 17.9870,
18.3836

■ 32.7762, 21.0127,
23.1008

■ 35.5197, 25.0271,
28.5548

■ 38.8875, 30.1081,
34.7789

■ 42.9179, 36.3258,
41.8040

■ 47.6455, 43.7443,
49.6592

■ 53.1029, 52.4228,
58.3721

Harmonies

Analogous

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



27.0451, 13.8012, 24.9925



27.0717, 13.8012, 8.2582



22.6895, 13.8012, 1.8996

Triad

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



27.0717, 13.8012, 8.2582



6.7351, 13.8012, 1.8673



10.4184, 13.8012, 71.4932

Complementary

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



27.0717, 13.8012, 8.2582



26.3452, 46.2385, 28.6697

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.



6.7063, 13.8012, 50.5271



27.0717, 13.8012, 8.2582



5.0455, 13.8012, 8.1409

Square

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



27.0717, 13.8012, 8.2582



10.4711, 13.8012, 0.3625



5.0368, 13.8012, 24.7467



16.1762, 13.8012, 71.6264

Rectangle

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



27.0717, 13.8012, 8.2582



18.4372, 13.8012, 0.6768



5.0368, 13.8012, 24.7467



8.9344, 13.8012, 66.2154

Sweetspot

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



27.0720, 13.8021, 8.2584



68.5161, 57.8025, 66.5434



20.1147, 9.0692, 59.7216



14.0506, 11.4195, 13.1850



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.



27.0720, 13.8021, 8.2584



43.2976, 22.0830, 12.7649



26.0627, 13.9264, 1.3156



11.9879, 11.8799, 13.2122



17.0980, 8.7120, 5.4223



0.9939, 0.5023, 0.5029

Inverse Universe

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



27.0720, 13.8021, 8.2584



43.2976, 22.0830, 12.7649



28.1664, 38.3122, 64.9417



11.9879, 11.8799, 13.2122



17.0980, 8.7120, 5.4223



0.9939, 0.5023, 0.5029

Previews

White Background



This preview shows how the XYZ color 27.0717, 13.8012, 8.2582 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 27.0717, 13.8012, 8.2582

Background



This preview shows how black text looks on a background with the XYZ color 27.0717, 13.8012, 8.2582.



This preview shows how white text looks on a background with the XYZ color 27.0717, 13.8012,

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

27.0717, 13.8012, 8.2582

Protanopia

13.9761, 14.3596, 17.6578

Deuteranopia

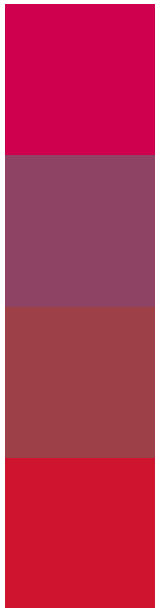
14.5992, 14.3139, 7.4622



Tritanopia

25.8764, 14.0429, 2.4453

Trichromacy



Original Color

27.0717, 13.8012, 8.2582

Protanomaly

15.6351, 10.7740, 13.3121

Deuteranomaly

16.8754, 11.2898, 7.2510

Tritanomaly

26.1969, 13.8194, 3.8714

Monochromacy



Original Color

27.0717, 13.8012, 8.2582

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

9.8867, 6.3509, 7.0081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0717, 13.8012, 8.2582 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(207, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 77)  
}
```

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(207, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 77) }
```

Border

The CSS property to change the border of an element to XYZ 27.0717, 13.8012, 8.2582 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(207, 0, 77) }
```


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

```
.border{ border-color:rgb(207, 0, 77) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 77);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.0717, 13.8012, 8.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 77) }
```

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

```
.background{ background-color: rgb(207, 0,  
77) }
```

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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