

Converting Colors

XYZ(27.3040, 13.7982, 13.8149)

Have a look what the booklet for
XYZ(27.3040, 13.7982, 13.8149)
contains.

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Color

**XYZ(27.3001, 13.7967,
13.7945)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0066
RGB	204, 0, 102
RGB Percent	80%, 0%, 40%
CMY	0.2000, 0.9998, 0.6000
CMYK	0.00, 1.00, 0.50, 0.20
HSL	330°, 100%, 40%
HSV	330°, 100%, 80%
XYZ	27.3001, 13.7967, 13.7945
YIQ	72.6240, 88.8420, 74.9700

Conversions

Conversions Part 2

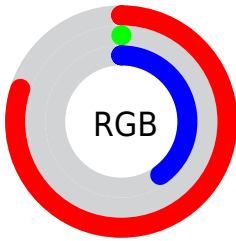
Format	Color
RYB	204, 0, 102
Decimal	13369446
CIELab	43.94, 71.54, 2.90
CIELCh	44, 71.594, 2.318
Yxy	13.7967, 0.4973, 0.2513
Android (android.graphics.Color)	4291559526 (0xFFCC0066)
YUV	72.6240, 14.4824, 115.2168
Hunter-Lab	37.1439, 66.1924, 3.9816

Details

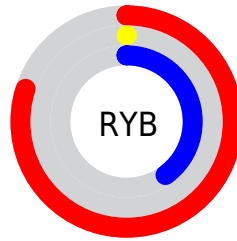
The XYZ color **27.3001, 13.7967, 13.7945** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **23.9936, 44.1459, 19.8374**, and the grayscale version is **6.2362, 6.5609, 7.1449**.

A 20% lighter version of the original color is **50.4795, 30.5394, 33.3711**, and **12.0415, 6.1252, 4.2890** is the 20% darker color. If you saturate the color by 10%, you get **27.2990, 13.7962, 13.7892**, and if you desaturate by 10%, it is **28.0957, 14.5277, 16.7116**.

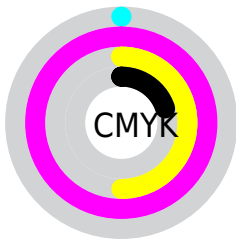
Distribution



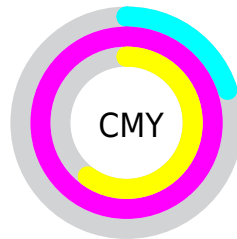
- Red (80%)
- Green (0%)
- Blue (40%)



- Red (80%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3001, 13.7967, 13.7945 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 27.3001, 13.7967, 13.7945 by changing the saturation by 10% instead.


 27.3001, 13.7967,
13.7945

 27.3001, 13.7967,
13.7945


281.2484,
215.9624, 227.3324


 17.9365, 7.9794,
7.8408


 54.7816, 32.7279,
33.4358


 11.0038, 4.0818,
3.9069


 73.6301, 46.6105,
47.9605


 6.1367, 1.7194,
1.5744


 96.3710, 63.9504,
66.1792

 2.9698, 0.4362,
0.2725

 123.3696, 85.1320,
88.5105

 1.1378, 0.0000,
0.0000

 154.9913,
110.5395, 115.3729

 0.0564, 0.0000,
0.0000

 191.6014,

 0.0000, 0.0000,

140.5575, 147.1850

0.0000

233.5653,
175.5704, 184.3654

■ 27.3001, 13.7967,
13.7945

■ 27.3001, 13.7967,
13.7945

■ 27.2990, 13.7962,
13.7892

■ 28.0957, 14.5277,
16.7116

■ 29.2271, 15.8274,
20.0585

■ 30.7899, 17.8832,
23.8769

■ 32.8354, 20.7953,
28.1938

■ 35.4078, 24.6484,
33.0328

■ 38.5455, 29.5169,
38.4159

■ 42.2833, 35.4677,
44.3630

■ 46.6533, 42.5620,
50.8932

■ 51.6849, 50.8562,
58.0241

Harmonies

Analogous

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



25.3297, 13.7967, 34.6949



27.3001, 13.7967, 13.7945



24.6519, 13.7967, 3.7497

Triad

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



27.3001, 13.7967, 13.7945



8.1060, 13.7967, 1.0702



8.6729, 13.7967, 63.0988

Complementary

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



27.3001, 13.7967, 13.7945



23.9936, 44.1459, 19.8374

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.



5.8897, 13.7967, 38.6586



27.3001, 13.7967, 13.7945



5.6348, 13.7967, 4.6854

Square

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



27.3001, 13.7967, 13.7945



12.6773, 13.7967, 0.2953



4.9584, 13.7967, 16.3208



13.5592, 13.7967, 72.7932

Rectangle

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



27.3001, 13.7967, 13.7945



20.9696, 13.7967, 1.3848



4.9584, 13.7967, 16.3208



7.5146, 13.7967, 55.7537

Sweetspot

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



27.3005, 13.7975, 13.7947



69.7510, 58.2965, 73.0462



16.3813, 7.1865, 57.6502



14.3408, 11.5355, 14.7132



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.



27.3005, 13.7975, 13.7947



45.1018, 22.8047, 22.2658



24.9024, 12.8383, 1.1667



11.4423, 11.3056, 12.8637



17.2294, 8.7023, 8.9266



0.9272, 0.4643, 0.6623

Inverse Universe

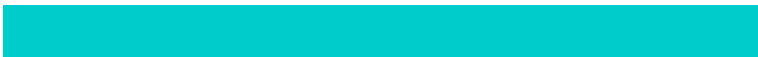
The Inverse Universe completely reimagines the original color for something new.



27.3005, 13.7975, 13.7947



45.1018, 22.8047, 22.2658



32.4923, 47.5454, 64.5912



11.4423, 11.3056, 12.8637



17.2294, 8.7023, 8.9266



0.9272, 0.4643, 0.6623

Previews

White Background



This preview shows how the XYZ color 27.3001, 13.7967, 13.7945 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 27.3001, 13.7967, 13.7945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

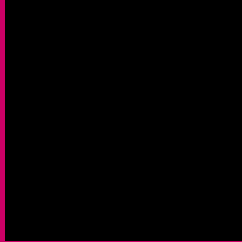
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3001, 13.7967, 13.7945

Background



This preview shows how black text looks on a background with the XYZ color 27.3001, 13.7967, 13.7945.



This preview shows how white text looks on a background with the XYZ color 27.3001, 13.7967,

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

27.3001, 13.7967, 13.7945

Protanopia

14.8322, 14.5369, 29.6279

Deuteranopia

14.6123, 14.3580, 12.3571



Tritanopia

25.2806, 14.1635, 3.4992

Trichromacy



Original Color

27.3001, 13.7967, 13.7945

Protanomaly

15.7768, 10.6395, 22.6948

Deuteranomaly

16.7641, 11.2044, 12.3454

Tritanomaly

25.6237, 13.6542, 5.9876

Monochromacy



Original Color

27.3001, 13.7967, 13.7945

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.4624, 6.6590, 9.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3001, 13.7967, 13.7945 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(204, 0, 102)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 102)  
}
```

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(204, 0, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 102) }
```

Border

The CSS property to change the border of an element to XYZ 27.3001, 13.7967, 13.7945 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(204, 0, 102) }
```


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

```
.border{ border-color:rgb(204, 0, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 102);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3001, 13.7967, 13.7945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 102) }
```

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

```
.background{ background-color: rgb(204, 0,  
102) }
```

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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