

# Converting Colors

XYZ(44.5266, 27.0277, 57.4785)

Have a look what the booklet for  
XYZ(44.5266, 27.0277, 57.4785)  
contains.

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# Color

**XYZ(44.4291, 27.0029,  
57.5140)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF59C8
RGB	223, 89, 200
RGB Percent	87%, 35%, 78%
CMY	0.1255, 0.6510, 0.2157
CMYK	0.00, 0.60, 0.10, 0.13
HSL	310°, 68%, 61%
HSV	310°, 60%, 87%
XYZ	44.4291, 27.0029, 57.5140
YIQ	141.7200, 44.2330, 62.9290

# Conversions

## Conversions Part 2

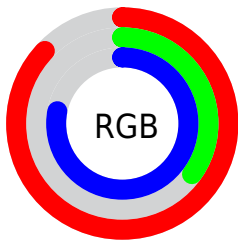
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 89, 200
Decimal	14637512
CIE Lab	58.98, 64.87, -32.40
CIE LCh	59, 72.508, 333.457
Yxy	27.0029, 0.3446, 0.2094
Android (android.graphics.Color)	4292827592 (0xFFDF59C8)
YUV	141.7200, 28.7320, 71.2826
Hunter-Lab	51.9643, 61.6786, -29.2470

# Details

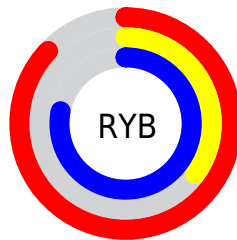
The XYZ color **44.4291, 27.0029, 57.5140** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **33.4334, 56.0700, 24.3918**, and the grayscale version is **25.4798, 26.8068, 29.1926**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **21.0118, 10.6874, 28.1496** is the 20% darker color. If you saturate the color by 10%, you get **42.4049, 23.6610, 54.6597**, and if you desaturate by 10%, it is **47.0282, 31.4755, 60.6156**.

# Distribution



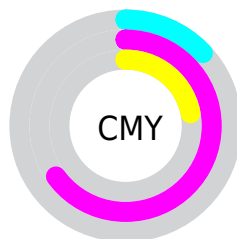
- Red (87%)
- Green (35%)
- Blue (78%)



- Red (87%)
- Yellow (35%)
- Blue (78%)



- Cyan (0%)
- Magenta (60%)
- Yellow (10%)
- Black (13%)



- Cyan (13%)
- Magenta (65%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4291, 27.0029, 57.5140 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 44.4291, 27.0029, 57.5140 by changing the saturation by 10% instead.



■ 44.4291, 27.0029,  
57.5140

■ 44.4291, 27.0029,  
57.5140

355.2792,  
287.6712, 432.9201

■ 31.2073, 17.5754,  
41.0059

■ 81.1054, 54.8885,  
102.7226

■ 20.9094, 10.6456,  
28.0040

■ 105.2907, 74.1154,  
132.2602

■ 13.1699, 5.8291,  
18.0896

■ 133.8611, 97.3776,  
166.9780

■ 7.6234, 2.7414,  
10.8442

■ 167.1822,  
125.0594, 207.2947

■ 3.9047, 0.9983,  
5.8493

205.6192,  
157.5453, 253.6287

■ 1.6484, 0.0000,  
2.6864

249.5374,

■ 0.4236, 0.0000,

195.2196, 306.3985

0.9366

299.3023,  
238.4668, 366.0229

■ 0.0000, 0.0000,  
0.0000

■ 44.4291, 27.0029,  
57.5140

■ 44.4291, 27.0029,  
57.5140

■ 42.4049, 23.6610,  
54.6597

■ 47.0282, 31.4755,  
60.6156

■ 40.9003, 21.3410,  
52.0333

■ 50.2455, 37.1671,  
63.9787

■ 39.8536, 19.9192,  
49.6140

■ 54.1232, 44.1614,  
67.6181

■ 39.1593, 19.1792,  
47.3835

■ 58.6992, 52.5338,  
71.5466

■ 64.0082, 62.3539,  
75.7762

70.0828, 73.6866,  
80.3183

76.9535, 86.5928,  
85.1833

80.5623, 92.9563,  
89.0189

81.1078, 93.1746,  
91.8918

# Harmonies

## Analogous

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



36.4161, 27.0029, 93.0061



44.4291, 27.0029, 57.5140



47.0590, 27.0029, 26.5177

# Triad

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



44.4291, 27.0029, 57.5140



24.6377, 27.0029, 2.5066



13.7825, 27.0029, 65.9818

# Complementary

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



44.4291, 27.0029, 57.5140



33.4334, 56.0700, 24.3918

# 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.



11.9954, 27.0029, 32.4873



44.4291, 27.0029, 57.5140



17.2709, 27.0029, 4.4280

# Square

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



44.4291, 27.0029, 57.5140



34.1848, 27.0029, 3.6360



13.1056, 27.0029, 12.3718



18.6940, 27.0029, 99.5850



# Rectangle

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



44.4291, 27.0029, 57.5140



44.9982, 27.0029, 13.7774



13.1056, 27.0029, 12.3718



12.8561, 27.0029, 53.8202

# Sweetspot

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



44.4300, 27.0042, 57.5145



80.8722, 73.6329, 98.0439



23.4907, 15.8752, 71.6387



16.8871, 14.9819, 20.6375



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.



44.4300, 27.0042, 57.5145



56.9035, 31.1714, 73.1728



38.2848, 24.5461, 25.1544



14.1887, 13.8931, 16.7640



23.0619, 11.2918, 28.0555



1.6255, 0.7935, 2.0869



# Inverse Universe

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



44.4300, 27.0042, 57.5145



56.9035, 31.1714, 73.1728



38.5781, 58.1278, 51.4832



14.1887, 13.8931, 16.7640



23.0619, 11.2918, 28.0555



1.6255, 0.7935, 2.0869



# Previews

## White Background



This preview shows how the XYZ color 44.4291, 27.0029, 57.5140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

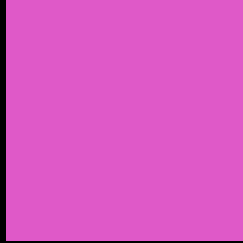
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 44.4291, 27.0029, 57.5140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

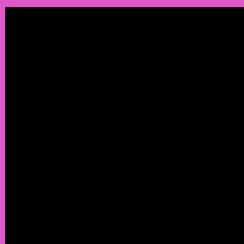
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 44.4291, 27.0029, 57.5140**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4291, 27.0029, 57.5140.



This preview shows how white text looks on a background with the XYZ color 44.4291, 27.0029,



# 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

44.4291, 27.0029, 57.5140

### Protanopia

30.2966, 27.4727, 87.7104

### Deuteranopia

27.7946, 27.1511, 53.6449



## Tritanopia

36.5775, 26.7560, 20.3761

# Trichromacy



## Original Color

44.4291, 27.0029, 57.5140



## Protanomaly

32.0302, 25.0604, 75.8220



## Deuteranomaly

31.7920, 25.4014, 54.8571



## Tritanomaly

38.7119, 26.3926, 31.0709

# Monochromacy



## Original Color

44.4291, 27.0029, 57.5140



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

30.4884, 25.4682, 37.9593

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4291, 27.0029, 57.5140 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(223, 89, 200)` looks like.

```
.text, #text, p{  
    color:rgb(223, 89, 200)  
}
```

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(223, 89, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 89, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4291, 27.0029, 57.5140 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(223, 89, 200) }
```



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

```
.border{ border-color:rgb(223, 89, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 89, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 89, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 89, 200);  
box-shadow:4px 4px 4px 4px rgb(223, 89,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4291, 27.0029, 57.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 89, 200) }
```

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

```
.background{ background-color: rgb(223, 89,  
200) }
```

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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