

# Converting Colors

XYZ(50.1717, 25.2841, 96.8437)

Have a look what the booklet for  
XYZ(50.1717, 25.2841, 96.8437)  
contains.

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# Color

**XYZ(50.1179, 25.2606,  
96.8420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E12FFF
RGB	225, 47, 255
RGB Percent	88%, 18%, 100%
CMY	0.1176, 0.8157, 0.0000
CMYK	0.12, 0.82, 0.00, 0.00
HSL	291°, 100%, 59%
HSV	291°, 82%, 100%
XYZ	50.1179, 25.2606, 96.8420
YIQ	123.9340, 39.3200, 102.4240

# Conversions

## Conversions Part 2

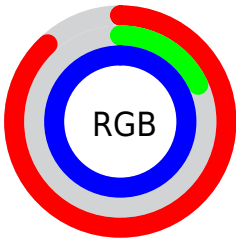
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 47, 255
Decimal	14757887
CIE Lab	57.33, 87.87, -65.91
CIE LCh	57, 109.844, 323.128
Yxy	25.2606, 0.2910, 0.1467
Android (android.graphics.Color)	4292947967 (0xFFE12FFF)
YUV	123.9340, 64.6155, 88.6349
Hunter-Lab	50.2599, 90.0407, -79.0594

# Details

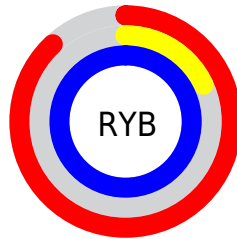
The XYZ color **50.1179, 25.2606, 96.8420** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **39.3343, 73.3033, 14.7660**, and the grayscale version is **18.9208, 19.9062, 21.6778**.

A 20% lighter version of the original color is **65.5354, 40.9708, 99.0618**, and **25.5951, 12.0306, 53.7964** is the 20% darker color. If you saturate the color by 10%, you get **48.2454, 23.1984, 96.5427**, and if you desaturate by 10%, it is **52.6115, 28.5262, 97.3409**.

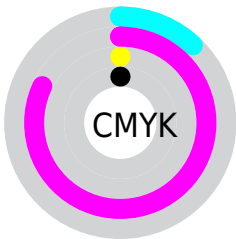
# Distribution



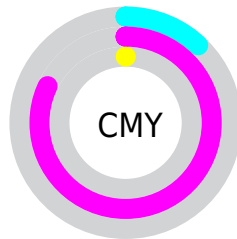
- Red (88%)
- Green (18%)
- Blue (100%)



- Red (88%)
- Yellow (18%)
- Blue (100%)



- Cyan (12%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (82%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1179, 25.2606, 96.8420 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 50.1179, 25.2606, 96.8420 by changing the saturation by 10% instead.





 50.1179, 25.2606,  
96.8420

 50.1179, 25.2606,  
96.8420


377.5712,  
279.1333, 571.1796


 35.7253, 16.2713,  
73.0637


 89.5403, 52.0797,  
158.8244

 24.3912, 9.7163,  
53.5359


 115.3008, 70.6783,  
197.8655


 15.7504, 5.2113,  
37.8401


 145.5813, 93.2487,  
242.8313

 9.4374, 2.3718,  
25.5577

 180.7471,  
120.1755, 294.1403

 5.0870, 0.8113,  
16.2703

 221.1637,  
151.8429, 352.2111

 2.3337, 0.0000,  
9.5592

267.1963,

 0.8118, 0.0000,

188.6354, 417.4623

5.0059

319.2104,  
230.9374, 490.3122

■ 0.0000, 0.0000,  
2.1919

■ 0.0000, 0.0000,  
0.6697

■ 50.1179, 25.2606,  
96.8420

■ 50.1179, 25.2606,  
96.8420

■ 48.2454, 23.1984,  
96.5427


■ 52.6115, 28.5262,  
97.3409


■ 47.0301, 22.1598,  
96.4062

■ 55.8135, 33.1727,  
98.0690

■ 59.8001, 39.3514,  
99.0515

■ 64.6367, 47.1927,  
100.3101

 70.3817, 56.8133,  
101.8643

 77.0883, 68.3191,  
103.7317

 84.8053, 81.8079,  
105.9285

 93.5783, 97.3706,  
108.4700

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



35.2451, 25.2606, 160.1382



50.1179, 25.2606, 96.8420



58.4228, 25.2606, 37.0045

# Triad

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



50.1179, 25.2606, 96.8420



27.1307, 25.2606, 0.0000



7.5627, 25.2606, 66.3666

# Complementary

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



50.1179, 25.2606, 96.8420



39.3343, 73.3033, 14.7660

# 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.



6.7459, 25.2606, 19.7878



50.1179, 25.2606, 96.8420



15.4582, 25.2606, 0.0000

# Square

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



50.1179, 25.2606, 96.8420



42.3791, 25.2606, 0.7669



9.0357, 25.2606, 3.0168



11.9039, 25.2606, 133.9514



# Rectangle

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



50.1179, 25.2606, 96.8420



57.5687, 25.2606, 14.2233



9.0357, 25.2606, 3.0168



6.9514, 25.2606, 47.2122

# Sweetspot

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



50.1189, 25.2616, 96.8422



75.3642, 65.3388, 103.2473



21.9618, 13.3028, 96.0179



15.6138, 13.0964, 21.9549



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.



50.1189, 25.2616, 96.8422



47.3062, 22.3843, 96.4350



50.7213, 26.6795, 46.8424



18.5200, 18.1598, 22.7790



24.6727, 11.6297, 50.3789



2.4696, 1.1671, 4.9084



# Inverse Universe

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



43.5966, 23.8296, 9.3241



41.6981, 21.5318, 4.0691



40.3110, 73.4759, 29.7651



18.1161, 18.0297, 19.2284



21.7534, 11.1907, 2.0861



2.1485, 1.1018, 0.3634



# Previews

## White Background



This preview shows how the XYZ color 50.1179, 25.2606, 96.8420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

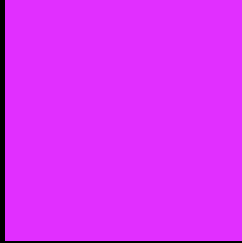
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 50.1179, 25.2606, 96.8420 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 50.1179, 25.2606, 96.8420**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.1179, 25.2606, 96.8420.



This preview shows how white text looks on a background with the XYZ color 50.1179, 25.2606,



# 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

50.1179, 25.2606, 96.8420

### Protanopia

29.2476, 25.6479, 98.0168

### Deuteranopia

26.6205, 25.8108, 86.7980



## Tritanopia

34.0843, 25.0186, 19.2523

# Trichromacy



## Original Color

50.1179, 25.2606, 96.8420



## Protanomaly

31.7035, 21.3119, 97.0504



## Deuteranomaly

28.7280, 20.5393, 89.6391



## Tritanomaly

37.8630, 23.5463, 38.6257

# Monochromacy



## Original Color

50.1179, 25.2606, 96.8420



## Achromatopsia

19.1579, 20.1556, 21.9495



## Achromatomaly

26.3272, 18.9214, 41.2943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1179, 25.2606, 96.8420 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(225, 47, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 47, 255)  
}
```

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(225, 47, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 47, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1179, 25.2606, 96.8420 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(225, 47, 255) }
```



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

```
.border{ border-color:rgb(225, 47, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 47, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 47, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 47, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 47,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1179, 25.2606, 96.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 47, 255) }
```

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

```
.background{ background-color: rgb(225, 47,  
255) }
```

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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