

# Converting Colors

XYZ(51.9286, 25.5354, 58.2155)

Have a look what the booklet for  
XYZ(51.9286, 25.5354, 58.2155)  
contains.

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# Color

**XYZ(51.9007, 25.5243,  
58.0683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00CA
RGB	255, 0, 202
RGB Percent	100%, 0%, 79%
CMY	0.0000, 0.9998, 0.2078
CMYK	0.00, 1.00, 0.21, 0.00
HSL	312°, 100%, 50%
HSV	312°, 100%, 100%
XYZ	51.9007, 25.5243, 58.0683
YIQ	99.2730, 87.1380, 116.8820

# Conversions

## Conversions Part 2

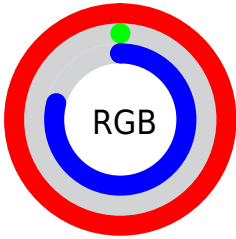
Format	Color
<b>RYB</b>	255, 0, 202
Decimal	16711882
CIELab	57.58, 91.51, -35.32
CIElCh	58, 98.092, 338.894
Yxy	25.5243, 0.3830, 0.1884
Android (android.graphics.Color)	4294901962 (0xFFFF00CA)
YUV	99.2730, 50.6444, 136.5726
Hunter-Lab	50.5216, 94.9599, -32.7814

# Details

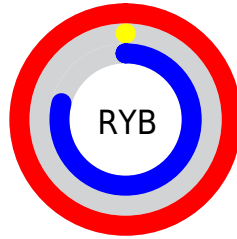
The XYZ color **51.9007, 25.5243, 58.0683** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.4046, 71.7779, 15.3108**, and the grayscale version is **11.7976, 12.4120, 13.5167**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **27.2588, 13.4440, 28.7620** is the 20% darker color. If you saturate the color by 10%, you get **51.8993, 25.5237, 58.0611**, and if you desaturate by 10%, it is **52.8990, 26.4991, 61.5517**.

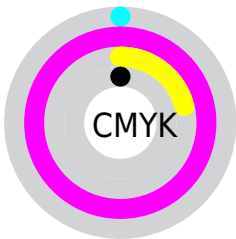
# Distribution



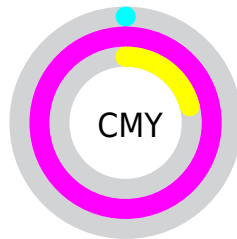
- Red (100%)
- Green (0%)
- Blue (79%)



- Red (100%)
- Yellow (0%)
- Blue (79%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9007, 25.5243, 58.0683 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 51.9007, 25.5243, 58.0683 by changing the saturation by 10% instead.





 51.9007, 25.5243,  
58.0683


 51.9007, 25.5243,  
58.0683

384.3834,  
280.4390, 435.0457


 37.1499, 16.4681,  
41.4485


 92.1599, 52.5065,  
103.5381


 25.4978, 9.8560,  
28.3474

 118.3989, 71.2013,  
133.2251


 16.5790, 5.3036,  
18.3463


 149.1981, 93.8778,  
168.1050

 10.0282, 2.4265,  
11.0269

 184.9228,  
120.9204, 208.5963

 5.4801, 0.8395,  
5.9706

 225.9383,  
152.7134, 255.1174

 2.5692, 0.0000,  
2.7587

272.6100,

 0.9303, 0.0000,

189.6412, 308.0870

0.9728

325.3032,  
232.0883, 367.9236

■ 0.0000, 0.0000,  
0.0000

■ 51.9007, 25.5243,  
58.0683

■ 51.9007, 25.5243,  
58.0683

■ 51.8993, 25.5237,  
58.0611

■ 52.8990, 26.4991,  
61.5517

■ 54.3862, 28.4166,  
65.3052

■ 56.5053, 31.5629,  
69.3778

■ 59.3439, 36.1127,  
73.7997

■ 62.9755, 42.2126,  
78.5964

■ 67.4642, 49.9905,  
83.7902

■ 72.8674, 59.5613,  
89.4013

■ 79.2378, 71.0294,  
95.4481

■ 86.6236, 84.4913,  
101.9477

# Harmonies

## Analogous

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



41.3152, 25.5243, 114.2152



51.9007, 25.5243, 58.0683



53.9858, 25.5243, 18.9691

# Triad

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



51.9007, 25.5243, 58.0683



20.9439, 25.5243, 0.1656



10.6197, 25.5243, 91.0969

# Complementary

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



51.9007, 25.5243, 58.0683



36.4046, 71.7779, 15.3108

# 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.



8.1246, 25.5243, 38.9968



51.9007, 25.5243, 58.0683



12.6939, 25.5243, 1.7550

# Square

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



51.9007, 25.5243, 58.0683



33.3018, 25.5243, 0.5432



8.7371, 25.5243, 10.4414



17.0238, 25.5243, 141.7417



# Rectangle

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



51.9007, 25.5243, 58.0683



49.7851, 25.5243, 6.8310



8.7371, 25.5243, 10.4414



9.4075, 25.5243, 72.0260

# Sweetspot

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



51.9013, 25.5255, 58.0687



72.8543, 59.5378, 89.3883



19.4182, 7.9262, 95.1142



15.0818, 11.8320, 18.6153



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.



51.9013, 25.5255, 58.0687



51.8993, 25.5237, 58.0611



42.5640, 21.7906, 8.8989



18.6214, 18.2319, 21.8893



27.1747, 13.3592, 30.6341



2.6846, 1.3162, 3.1867



# Inverse Universe

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



51.9013, 25.5255, 58.0687



51.8993, 25.5237, 58.0611



43.8486, 74.7555, 54.5104



18.6214, 18.2319, 21.8893



27.1747, 13.3592, 30.6341



2.6846, 1.3162, 3.1867



# Previews

## White Background



This preview shows how the XYZ color 51.9007, 25.5243, 58.0683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

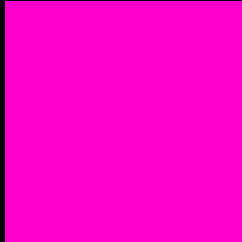
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9007, 25.5243, 58.0683 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 51.9007, 25.5243, 58.0683**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9007, 25.5243, 58.0683.



This preview shows how white text looks on a background with the XYZ color 51.9007, 25.5243,



# 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

51.9007, 25.5243, 58.0683

### Protanopia

30.0786, 26.4906, 98.1356

### Deuteranopia

26.7312, 26.2111, 51.7945



## Tritanopia

42.1251, 25.7899, 11.1452

# Trichromacy



## Original Color

51.9007, 25.5243, 58.0683



## Protanomaly

29.8762, 18.7122, 81.3940



## Deuteranomaly

30.2406, 19.6451, 53.2370



## Tritanomaly

44.0815, 24.0397, 22.3954

# Monochromacy



## Original Color

51.9007, 25.5243, 58.0683



## Achromatopsia

11.8596, 12.4772, 13.5877



## Achromatomaly

19.9317, 12.4005, 24.6356

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9007, 25.5243, 58.0683 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(255, 0, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 202)  
}
```

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(255, 0, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9007, 25.5243, 58.0683 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(255, 0, 202) }
```



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

```
.border{ border-color:rgb(255, 0, 202) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9007, 25.5243, 58.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 202) }
```

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

```
.background{ background-color: rgb(255, 0,  
202) }
```

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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