

# Converting Colors

XYZ(51.2511, 25.6973, 53.3129)

Have a look what the booklet for  
XYZ(51.2511, 25.6973, 53.3129)  
contains.

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# Color

**XYZ(51.2458, 25.6914,  
53.2969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF15C2
RGB	255, 21, 194
RGB Percent	100%, 8%, 76%
CMY	0.0000, 0.9175, 0.2392
CMYK	0.00, 0.92, 0.24, 0.00
HSL	316°, 100%, 54%
HSV	316°, 92%, 100%
XYZ	51.2458, 25.6914, 53.2969
YIQ	110.6880, 83.9310, 103.4110

# Conversions

## Conversions Part 2

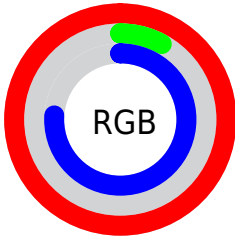
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 21, 194
Decimal	16717250
CIE <sub>Lab</sub>	57.74, 89.09, -30.48
CIE <sub>LCh</sub>	58, 94.163, 341.116
Yxy	25.6914, 0.3935, 0.1973
Android (android.graphics.Color)	4294907330 (0xFFFF15C2)
YUV	110.6880, 41.0728, 126.5616
Hunter-Lab	50.6867, 91.7673, -26.8626

# Details

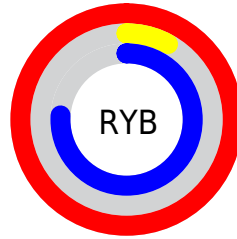
The XYZ color **51.2458, 25.6914, 53.2969** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.5943, 72.2895, 19.9614**, and the grayscale version is **14.8928, 15.6684, 17.0628**.

A 20% lighter version of the original color is **63.9103, 38.7404, 95.3760**, and **26.7259, 13.2309, 25.9561** is the 20% darker color. If you saturate the color by 10%, you get **50.3729, 24.9131, 50.0230**, and if you desaturate by 10%, it is **52.7393, 27.4566, 57.5619**.

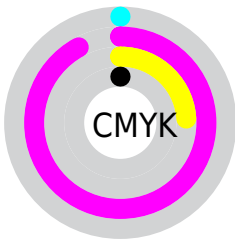
# Distribution



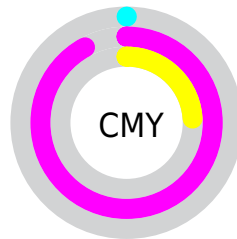
- Red (100%)
- Green (8%)
- Blue (76%)



- Red (100%)
- Yellow (8%)
- Blue (76%)



- Cyan (0%)
- Magenta (92%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (92%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2458, 25.6914, 53.2969 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 51.2458, 25.6914, 53.2969 by changing the saturation by 10% instead.




 51.2458, 25.6914,  
53.2969


 51.2458, 25.6914,  
53.2969


381.8900,  
281.2639, 416.5217

 36.6261, 16.5929,  
37.6505


 91.1988, 52.7767,  
96.4871


 25.0905, 9.9447,  
25.4118


 117.2629, 71.5323,  
124.8679


 16.2736, 5.3623,  
16.1623

 147.8724, 94.2757,  
158.3307

 9.8100, 2.4614,  
9.4835

 183.3928,  
121.3913, 197.2939

 5.3345, 0.8572,  
4.9568

 224.1894,  
153.2635, 242.1760

 2.4816, 0.0000,  
2.1636

270.6276,

 0.8860, 0.0000,

190.2768, 293.3957

0.6533

323.0726,  
232.8154, 351.3714

■ 0.0000, 0.0000,  
0.0000

■ 51.2458, 25.6914,  
53.2969

■ 51.2458, 25.6914,  
53.2969

■ 50.3729, 24.9131,  
50.0230

■ 52.7393, 27.4566,  
57.5619

■ 54.8585, 30.4188,  
62.2022

■ 57.6949, 34.7608,  
67.2505

■ 61.3244, 40.6334,  
72.7342

■ 65.8126, 48.1674,  
78.6770

71.2184, 57.4798,  
85.1007

77.5951, 68.6768,  
92.0248

84.9921, 81.8562,  
99.4677

93.4551, 97.1093,  
107.4465

# Harmonies

## Analogous

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



41.6501, 25.6914, 105.7834



51.2458, 25.6914, 53.2969



52.5034, 25.6914, 17.6207

# Triad

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



51.2458, 25.6914, 53.2969



20.4694, 25.6914, 0.5006



11.4467, 25.6914, 91.9789

# Complementary

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



51.2458, 25.6914, 53.2969



37.5943, 72.2895, 19.9614

# 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.



8.7145, 25.6914, 41.7481



51.2458, 25.6914, 53.2969



12.7477, 25.6914, 2.4162

# Square

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



51.2458, 25.6914, 53.2969



32.1379, 25.6914, 0.7315



9.1030, 25.6914, 12.2941



18.0469, 25.6914, 137.6142



# Rectangle

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



51.2458, 25.6914, 53.2969



48.1088, 25.6914, 6.5795



9.1030, 25.6914, 12.2941



10.1532, 25.6914, 73.9523

# Sweetspot

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



51.2465, 25.6927, 53.2973



73.4938, 61.4535, 87.6383



21.5872, 9.4425, 95.2926



15.1729, 12.1800, 18.1346



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.



51.2465, 25.6927, 53.2973



50.3729, 24.9131, 50.0230



42.9393, 22.3698, 9.5526



18.5785, 18.2147, 21.6637



26.3854, 13.0434, 26.4776



2.6138, 1.2879, 2.8138



# Inverse Universe

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



51.2465, 25.6927, 53.2973



50.3729, 24.9131, 50.0230



46.0918, 75.6885, 64.7087



18.5785, 18.2147, 21.6637



26.3854, 13.0434, 26.4776



2.6138, 1.2879, 2.8138



# Previews

## White Background



This preview shows how the XYZ color 51.2458, 25.6914, 53.2969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

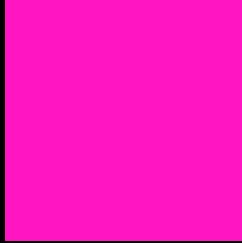
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.2458, 25.6914, 53.2969 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 51.2458, 25.6914, 53.2969**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.2458, 25.6914, 53.2969.



This preview shows how white text looks on a background with the XYZ color 51.2458, 25.6914,



# 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

51.2458, 25.6914, 53.2969

### Protanopia

30.0786, 26.4906, 98.1356

### Deuteranopia

26.5951, 26.0145, 47.8756



## Tritanopia

42.2534, 25.6508, 10.7067

# Trichromacy



## Original Color

51.2458, 25.6914, 53.2969



## Protanomaly

30.0384, 19.7282, 79.3155



## Deuteranomaly

30.6343, 20.8435, 48.8630



## Tritanomaly

44.1052, 24.4961, 21.1425

# Monochromacy



## Original Color

51.2458, 25.6914, 53.2969



## Achromatopsia

15.1092, 15.8961, 17.3108



## Achromatomaly

22.6364, 15.1584, 26.9321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2458, 25.6914, 53.2969 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, 21, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 194)  
}
```

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, 21, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2458, 25.6914, 53.2969 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, 21, 194) }
```



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

```
.border{ border-color:rgb(255, 21, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 21, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2458, 25.6914, 53.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 194) }
```

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

```
.background{ background-color: rgb(255, 21,  
194) }
```

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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