

# Converting Colors

XYZ(51.4167, 25.9041, 53.7518)

Have a look what the booklet for  
XYZ(51.4167, 25.9041, 53.7518)  
contains.

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# Color

**XYZ(51.4597, 25.9389,  
53.9242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1AC3
RGB	255, 26, 195
RGB Percent	100%, 10%, 76%
CMY	0.0000, 0.8979, 0.2353
CMYK	0.00, 0.90, 0.24, 0.00
HSL	316°, 100%, 55%
HSV	316°, 90%, 100%
XYZ	51.4597, 25.9389, 53.9242
YIQ	113.7370, 82.2350, 101.1070

# Conversions

## Conversions Part 2

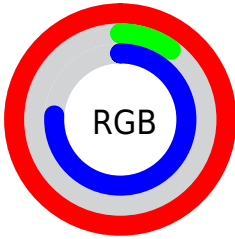
Format	Color
R <sub>Y</sub> B	255, 26, 195
Decimal	16718531
CIE Lab	57.98, 88.64, -30.69
CIE LCh	58, 93.804, 340.905
Yxy	25.9389, 0.3919, 0.1975
Android (android.graphics.Color)	4294908611 (0xFFFF1AC3)
YUV	113.7370, 40.0627, 123.8877
Hunter-Lab	50.9302, 91.2277, -27.1242

# Details

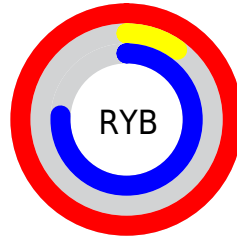
The XYZ color **51.4597, 25.9389, 53.9242** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.8676, 72.4123, 20.7912**, and the grayscale version is **15.7869, 16.6091, 18.0873**.

A 20% lighter version of the original color is **64.1732, 39.0134, 96.2435**, and **26.8000, 13.2605, 26.3463** is the 20% darker color. If you saturate the color by 10%, you get **50.3572, 24.9161, 49.9122**, and if you desaturate by 10%, it is **53.0701, 27.9233, 58.2728**.

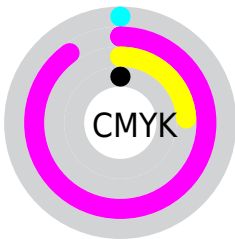
# Distribution



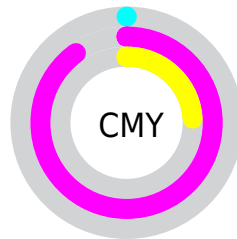
- Red (100%)
- Green (10%)
- Blue (76%)



- Red (100%)
- Yellow (10%)
- Blue (76%)



- Cyan (0%)
- Magenta (90%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (90%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4597, 25.9389, 53.9242 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 51.4597, 25.9389, 53.9242 by changing the saturation by 10% instead.





 51.4597, 25.9389,  
53.9242

 51.4597, 25.9389,  
53.9242

382.7055,  
282.4820, 418.9873

 36.7971, 16.7779,  
38.1483


 91.5129, 53.1764,  
97.4182


 25.2234, 10.0763,  
25.7951


 117.6342, 72.0216,  
125.9734


 16.3732, 5.4496,  
16.4460


 148.3058, 94.8638,  
159.6255

 9.8811, 2.5134,  
9.6825

 183.8930,  
122.0873, 198.7929

 5.3819, 0.8833,  
5.0861

 224.7612,  
154.0765, 243.8943

 2.5101, 0.0000,  
2.2383

271.2758,

 0.9003, 0.0000,

191.2157, 295.3481

0.6963

323.8021,  
233.8894, 353.5729

■ 0.0000, 0.0000,  
0.0000

■ 51.4597, 25.9389,  
53.9242

■ 51.4597, 25.9389,  
53.9242

■ 50.3572, 24.9161,  
49.9122

■ 53.0701, 27.9233,  
58.2728

■ 50.3365, 24.8986,  
49.8316

■ 55.3259, 31.1437,  
63.0052

■ 58.3152, 35.7756,  
68.1531

■ 62.1113, 41.9651,  
73.7430

■ 66.7786, 49.8401,  
79.7983

72.3745, 59.5151,  
86.3403

78.9518, 71.0946,  
93.3883

86.5589, 84.6751,  
100.9604

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.



41.8219, 25.9389, 106.3644



51.4597, 25.9389, 53.9242



52.7843, 25.9389, 18.0184

# Triad

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



51.4597, 25.9389, 53.9242



20.7627, 25.9389, 0.5491



11.5951, 25.9389, 91.8491

# Complementary

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



51.4597, 25.9389, 53.9242



37.8676, 72.4123, 20.7912

# 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.



8.8667, 25.9389, 41.7481



51.4597, 25.9389, 53.9242



12.9752, 25.9389, 2.4749

# Square

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



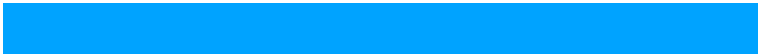
51.4597, 25.9389, 53.9242



32.4785, 25.9389, 0.7915



9.2796, 25.9389, 12.3698



18.1996, 25.9389, 137.5283



# Rectangle

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



51.4597, 25.9389, 53.9242



48.4308, 25.9389, 6.8053



9.2796, 25.9389, 12.3698



10.3013, 25.9389, 73.8594

# Sweetspot

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



51.4604, 25.9402, 53.9246



74.1105, 62.5531, 88.2569



22.0113, 9.8114, 95.3414



15.4107, 12.5983, 18.3902



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.



51.4604, 25.9402, 53.9246



50.3365, 24.8986, 49.8316



43.1819, 22.6288, 10.3305



18.5775, 18.2143, 21.6581



26.3666, 13.0359, 26.3785



2.6121, 1.2872, 2.8049



# Inverse Universe

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



51.4604, 25.9402, 53.9246



50.3365, 24.8986, 49.8316



46.3518, 75.8060, 65.4683



18.5775, 18.2143, 21.6581



26.3666, 13.0359, 26.3785



2.6121, 1.2872, 2.8049



# Previews

## White Background



This preview shows how the XYZ color 51.4597, 25.9389, 53.9242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

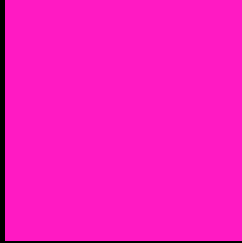
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4597, 25.9389, 53.9242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

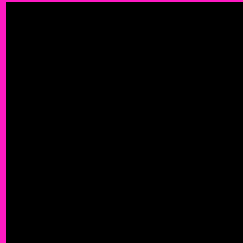
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.4597, 25.9389, 53.9242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4597, 25.9389, 53.9242.



This preview shows how white text looks on a background with the XYZ color 51.4597, 25.9389,



# 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

51.4597, 25.9389, 53.9242

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

26.6988, 26.0560, 48.4219



## Tritanopia

42.4749, 25.9702, 11.1616

# Trichromacy



## Original Color

51.4597, 25.9389, 53.9242



## Protanomaly

30.3925, 20.1782, 79.3837



## Deuteranomaly

30.9235, 21.2512, 49.4858



## Tritanomaly

44.3209, 24.8267, 21.5248

# Monochromacy



## Original Color

51.4597, 25.9389, 53.9242



## Achromatopsia

15.9940, 16.8269, 18.3245



## Achromatomaly

23.4923, 16.0171, 27.8400

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4597, 25.9389, 53.9242 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, 26, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 195)  
}
```

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, 26, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4597, 25.9389, 53.9242 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, 26, 195) }
```



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

```
.border{ border-color:rgb(255, 26, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4597, 25.9389, 53.9242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 195) }
```

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

```
.background{ background-color: rgb(255, 26,  
195) }
```

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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