

# Converting Colors

XYZ(53.1045, 28.4795, 56.7816)

Have a look what the booklet for  
XYZ(53.1045, 28.4795, 56.7816)  
contains.

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# Color

**XYZ(53.1128, 28.5115,  
56.7367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3BC7
RGB	255, 59, 199
RGB Percent	100%, 23%, 78%
CMY	0.0000, 0.7686, 0.2196
CMYK	0.00, 0.77, 0.22, 0.00
HSL	317°, 100%, 62%
HSV	317°, 77%, 100%
XYZ	53.1128, 28.5115, 56.7367
YIQ	133.5640, 71.8760, 85.0920

# Conversions

## Conversions Part 2

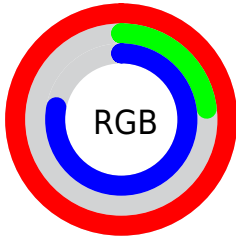
Format	Color
R <sub>Y</sub> B	255, 59, 199
Decimal	16726983
CIE Lab	60.35, 82.75, -29.31
CIE LCh	60, 87.785, 340.498
Yxy	28.5115, 0.3839, 0.2061
Android (android.graphics.Color)	4294917063 (0xFFFF3BC7)
YUV	133.5640, 32.2599, 106.4994
Hunter-Lab	53.3962, 84.1095, -25.6220

# Details

The XYZ color **53.1128, 28.5115, 56.7367** 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 **40.6597, 73.6883, 28.3039**, and the grayscale version is **22.3698, 23.5348, 25.6294**.

A 20% lighter version of the original color is **66.6236, 43.1472, 99.4245**, and **27.3590, 13.5137, 27.9545** is the 20% darker color. If you saturate the color by 10%, you get **51.2810, 26.1696, 52.0517**, and if you desaturate by 10%, it is **55.6258, 32.1508, 61.8491**.

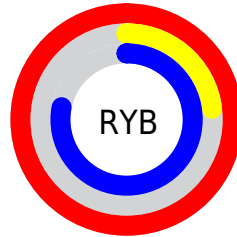
# Distribution



Red (100%)

Green (23%)

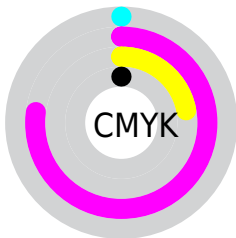
Blue (78%)



Red (100%)

Yellow (23%)

Blue (78%)

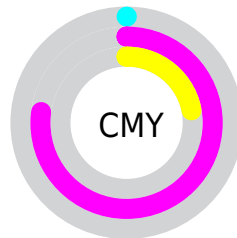


Cyan (0%)

Magenta (77%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1128, 28.5115, 56.7367 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 53.1128, 28.5115, 56.7367 by changing the saturation by 10% instead.





 53.1128, 28.5115,  
56.7367

 53.1128, 28.5115,  
56.7367


388.9715,  
294.9030, 429.9280


 38.1207, 18.7116,  
40.3859

 93.9349, 57.3000,  
101.5774

 26.2540, 11.4621,  
27.5235


 120.4955, 77.0575,  
130.9044


 17.1474, 6.3785,  
17.7309


 151.6431,  
100.9029, 165.3940

 10.4356, 3.0766,  
10.5895

 187.7429,  
129.2206, 205.4645

 5.7532, 1.1718,  
5.6809

 229.1602,  
162.3951, 251.5347

 2.7348, 0.0385,  
2.5864

276.2606,

 1.0151, 0.0000,

200.8107, 304.0230

0.8854

329.4092,  
244.8519, 363.3479

■ 0.0000, 0.0000,  
0.0000

■ 53.1128, 28.5115,  
56.7367

■ 53.1128, 28.5115,  
56.7367

■ 51.2810, 26.1696,  
52.0517

■ 55.6258, 32.1508,  
61.8491

■ 50.0237, 24.9126,  
47.7551

■ 58.9005, 37.2480,  
67.4178

■ 49.6978, 24.6431,  
46.4682

■ 63.0082, 43.9445,  
73.4693

■ 68.0110, 52.3640,  
80.0271

■ 73.9651, 62.6177,  
87.1123

80.9219, 74.8078,  
94.7447

88.9290, 89.0285,  
102.9426

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.



43.7638, 28.5115, 106.2721



53.1128, 28.5115, 56.7367



54.5047, 28.5115, 21.0470

# Triad

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



53.1128, 28.5115, 56.7367



23.3368, 28.5115, 1.2668



13.7273, 28.5115, 91.3696

# Complementary

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



53.1128, 28.5115, 56.7367



40.6597, 73.6883, 28.3039

# 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.



10.8798, 28.5115, 43.7915



53.1128, 28.5115, 56.7367



15.3145, 28.5115, 3.7172

# Square

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



53.1128, 28.5115, 56.7367



35.0029, 28.5115, 1.5901



11.3663, 28.5115, 14.5836



20.4852, 28.5115, 134.1047



# Rectangle

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



53.1128, 28.5115, 56.7367



50.4094, 28.5115, 8.9880



11.3663, 28.5115, 14.5836



12.3791, 28.5115, 74.4369

# Sweetspot

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



53.1135, 28.5129, 56.7372



76.5271, 67.0852, 89.9906



26.6249, 13.9633, 95.8996



15.8654, 13.4616, 18.6842



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.



53.1135, 28.5129, 56.7372



50.5708, 25.4040, 49.7965



45.1771, 25.3383, 14.9446



18.5584, 18.2067, 21.5575



26.0358, 12.9036, 24.6366



2.5821, 1.2752, 2.6470



# Inverse Universe

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



53.1135, 28.5129, 56.7372



50.5708, 25.4040, 49.7965



49.5159, 77.2308, 74.9399



18.5584, 18.2067, 21.5575



26.0358, 12.9036, 24.6366



2.5821, 1.2752, 2.6470



# Previews

## White Background



This preview shows how the XYZ color 53.1128, 28.5115, 56.7367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

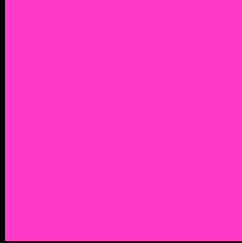
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 53.1128, 28.5115, 56.7367 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 53.1128, 28.5115, 56.7367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.1128, 28.5115, 56.7367.



This preview shows how white text looks on a background with the XYZ color 53.1128, 28.5115,



# 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

53.1128, 28.5115, 56.7367

### Protanopia

32.3391, 28.9457, 98.4904

### Deuteranopia

29.2161, 28.5941, 51.5563



## Tritanopia

44.5243, 28.5037, 14.9595

# Trichromacy



## Original Color

53.1128, 28.5115, 56.7367



## Protanomaly

33.9264, 24.3588, 81.5109



## Deuteranomaly

34.1310, 25.0974, 52.9146



## Tritanomaly

46.7399, 27.9581, 25.8547

# Monochromacy



## Original Color

53.1128, 28.5115, 56.7367



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

29.7893, 22.4490, 35.1108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.1128, 28.5115, 56.7367 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, 59, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 199)  
}
```

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, 59, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 53.1128, 28.5115, 56.7367 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, 59, 199) }
```



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

```
.border{ border-color:rgb(255, 59, 199) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.1128, 28.5115, 56.7367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 199) }
```

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

```
.background{ background-color: rgb(255, 59,  
199) }
```

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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