

# Converting Colors

XYZ(55.3112, 27.8837, 72.9596)

Have a look what the booklet for  
XYZ(55.3112, 27.8837, 72.9596)  
contains.

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# Color

**XYZ(55.3254, 27.9036,  
72.9910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF24E0
RGB	255, 36, 224
RGB Percent	100%, 14%, 88%
CMY	0.0000, 0.8587, 0.1216
CMYK	0.00, 0.86, 0.12, 0.00
HSL	308°, 100%, 57%
HSV	308°, 86%, 100%
XYZ	55.3254, 27.9036, 72.9910
YIQ	122.9130, 70.1760, 104.8960

# Conversions

## Conversions Part 2

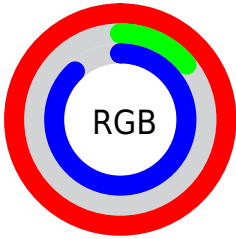
Format	Color
R <sub>Y</sub> B	255, 36, 224
Decimal	16721120
CIE Lab	59.80, 90.75, -44.35
CIE LCh	60, 101.002, 333.956
Yxy	27.9036, 0.3542, 0.1786
Android (android.graphics.Color)	4294911200 (0xFFFF24E0)
YUV	122.9130, 49.8359, 115.8403
Hunter-Lab	52.8239, 94.5113, -44.9491

# Details

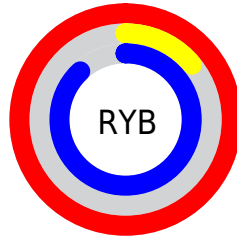
The XYZ color **55.3254, 27.9036, 72.9910** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **37.5020, 72.3009, 17.2922**, and the grayscale version is **18.6266, 19.5967, 21.3408**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **29.0602, 14.1646, 38.2482** is the 20% darker color. If you saturate the color by 10%, you get **54.3243, 26.6765, 70.2676**, and if you desaturate by 10%, it is **56.8862, 30.2331, 75.9528**.

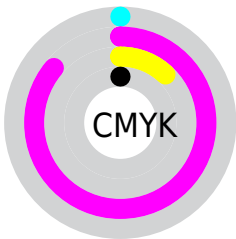
# Distribution



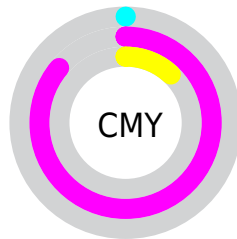
- Red (100%)
- Green (14%)
- Blue (88%)



- Red (100%)
- Yellow (14%)
- Blue (88%)



- Cyan (0%)
- Magenta (86%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (86%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3254, 27.9036, 72.9910 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 55.3254, 27.9036, 72.9910 by changing the saturation by 10% instead.





 55.3254, 27.9036,  
72.9910

 55.3254, 27.9036,  
72.9910


397.2606,  
292.0060, 490.0536

 39.8972, 18.2530,  
53.4768


 97.1631, 56.3305,  
125.1852


 27.6422, 11.1318,  
37.7932

 124.3033, 75.8756,  
158.7024


 18.1952, 6.1555,  
25.5217


 156.0782, 99.4876,  
197.7242

 11.1908, 2.9399,  
16.2436

 192.8531,  
127.5510, 242.6694

 6.2635, 1.1004,  
9.5405

 234.9935,  
160.4502, 293.9564

 3.0482, 0.0000,  
4.9938

282.8646,

 1.1793, 0.0000,

198.5694, 352.0037

2.1849

336.8319,  
242.2933, 417.2299

■ 0.0899, 0.0000,  
0.6656

■ 0.0000, 0.0000,  
0.0000

■ 55.3254, 27.9036,  
72.9910

■ 55.3254, 27.9036,  
72.9910

■ 54.3243, 26.6765,  
70.2676

■ 56.8862, 30.2331,  
75.9528

■ 54.0132, 26.3693,  
69.1927

■ 59.1048, 33.8617,  
79.1853

■ 62.0626, 38.9519,  
82.7160

■ 65.8288, 45.6417,  
86.5684

70.4643, 54.0534,  
90.7631

76.0243, 64.2969,  
95.3188

82.5594, 76.4733,  
100.2526

90.1165, 90.6763,  
105.5805

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.



42.7682, 27.9036, 134.2670



55.3254, 27.9036, 72.9910



59.4035, 27.9036, 25.7771

# Triad

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



55.3254, 27.9036, 72.9910



24.8606, 27.9036, 0.1639



10.9043, 27.9036, 89.1545

# Complementary

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



55.3254, 27.9036, 72.9910



37.5020, 72.3009, 17.2922

# 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.



8.7736, 27.9036, 35.5057



55.3254, 27.9036, 72.9910



15.0190, 27.9036, 1.4054

# Square

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



55.3254, 27.9036, 72.9910



38.8526, 27.9036, 0.8642



9.9927, 27.9036, 8.7620



17.1219, 27.9036, 147.7838



# Rectangle

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



55.3254, 27.9036, 72.9910



55.9461, 27.9036, 9.8172



9.9927, 27.9036, 8.7620



9.7964, 27.9036, 68.8970

# Sweetspot

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



55.3261, 27.9048, 72.9915



75.9485, 64.1564, 95.2592



20.8759, 9.6142, 95.3632



15.8217, 12.9286, 20.0430



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.



55.3261, 27.9048, 72.9915



54.0132, 26.3693, 69.1927



45.0421, 23.7912, 18.8368



18.6756, 18.2535, 22.1746



28.2655, 13.7955, 36.3784



2.7812, 1.3548, 3.6949



# Inverse Universe

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



55.3261, 27.9048, 72.9915



54.0132, 26.3693, 69.1927



44.1974, 74.9791, 52.5499



18.6756, 18.2535, 22.1746



28.2655, 13.7955, 36.3784



2.7812, 1.3548, 3.6949



# Previews

## White Background



This preview shows how the XYZ color 55.3254, 27.9036, 72.9910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

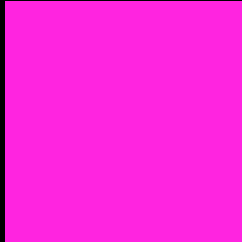
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3254, 27.9036, 72.9910 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 55.3254, 27.9036, 72.9910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3254, 27.9036, 72.9910.



This preview shows how white text looks on a background with the XYZ color 55.3254, 27.9036,



# 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

55.3254, 27.9036, 72.9910

### Protanopia

31.7913, 28.4434, 98.4223

### Deuteranopia

28.9165, 28.1300, 65.5336



## Tritanopia

43.0811, 27.7652, 14.6439

# Trichromacy



## Original Color

55.3254, 27.9036, 72.9910



## Protanomaly

33.7571, 22.7162, 88.1934



## Deuteranomaly

33.2813, 23.0740, 67.6654



## Tritanomaly

45.7092, 26.4225, 29.0765

# Monochromacy



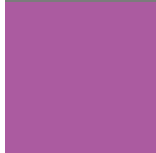
## Original Color

55.3254, 27.9036, 72.9910



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

26.8808, 18.6782, 35.4462

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3254, 27.9036, 72.9910 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, 36, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 224)  
}
```

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, 36, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3254, 27.9036, 72.9910 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, 36, 224) }
```



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

```
.border{ border-color:rgb(255, 36, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3254, 27.9036, 72.9910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 224) }
```

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

```
.background{ background-color: rgb(255, 36,  
224) }
```

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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