

# Converting Colors

XYZ(54.6920, 26.6408, 72.7674)

Have a look what the booklet for  
XYZ(54.6920, 26.6408, 72.7674)  
contains.

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# Color

**XYZ(54.6945, 26.6418,  
72.7807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00E0
RGB	255, 0, 224
RGB Percent	100%, 0%, 88%
CMY	0.0000, 0.9998, 0.1216
CMYK	0.00, 1.00, 0.12, 0.00
HSL	307°, 100%, 50%
HSV	307°, 100%, 100%
XYZ	54.6945, 26.6418, 72.7807
YIQ	101.7810, 80.0760, 123.7240

# Conversions

## Conversions Part 2

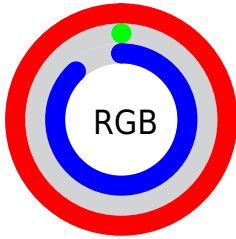
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 0, 224
Decimal	16711904
CIELab	58.64, 94.15, -46.18
CIELCh	59, 104.868, 333.874
Yxy	26.6418, 0.3549, 0.1729
Android (android.graphics.Color)	4294901984 (0xFFFF00E0)
YUV	101.7810, 60.2540, 134.3731
Hunter-Lab	51.6157, 98.8198, -47.4709

# Details

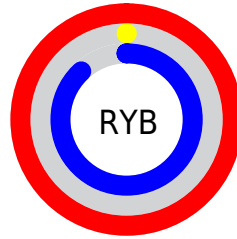
The XYZ color **54.6945, 26.6418, 72.7807** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **36.0087, 71.6195, 13.2260**, and the grayscale version is **12.4136, 13.0601, 14.2224**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.0602, 14.1646, 38.2482** is the 20% darker color. If you saturate the color by 10%, you get **54.6937, 26.6415, 72.7764**, and if you desaturate by 10%, it is **55.4786, 27.5307, 75.1361**.

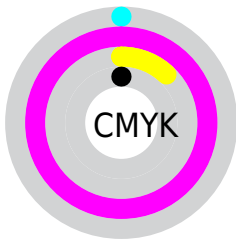
# Distribution



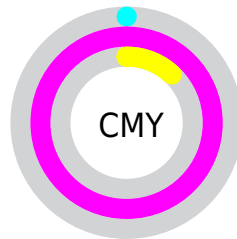
- Red (100%)
- Green (0%)
- Blue (88%)



- Red (100%)
- Yellow (0%)
- Blue (88%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6945, 26.6418, 72.7807 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 54.6945, 26.6418, 72.7807 by changing the saturation by 10% instead.





 54.6945, 26.6418,  
72.7807


 54.6945, 26.6418,  
72.7807


394.9081,  
285.9186, 489.3048


 39.3901, 17.3044,  
53.3059

 96.2441, 54.3085,  
124.8839


 27.2454, 10.4518,  
37.6577


 123.2200, 73.4066,  
158.3493


 17.8951, 5.6995,  
25.4173


 154.8172, 96.5271,  
197.3155

 10.9740, 2.6632,  
16.1664

 191.4008,  
124.0543, 242.2008

 6.1165, 0.9586,  
9.4864

 233.3364,  
156.3727, 293.4238

 2.9574, 0.0000,  
4.9586

280.9892,

 1.1313, 0.0000,

193.8666, 351.4032

2.1647

334.7247,  
236.9204, 416.5573

■ 0.0510, 0.0000,  
0.6539

■ 0.0000, 0.0000,  
0.0000

■ 54.6945, 26.6418,  
72.7807

■ 54.6945, 26.6418,  
72.7807

■ 54.6937, 26.6415,  
72.7764

■ 55.4786, 27.5307,  
75.1361

■ 56.7374, 29.3567,  
77.6875

■ 58.6139, 32.4058,  
80.4830

■ 61.1954, 36.8526,  
83.5520

64.5554, 42.8436,  
86.9190

68.7577, 50.5067,  
90.6057

73.8597, 59.9567,  
94.6312

79.9138, 71.2980,  
99.0133

86.9681, 84.6270,  
103.7681

# Harmonies

## Analogous

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



41.7828, 26.6418, 136.7050



54.6945, 26.6418, 72.7807



58.9322, 26.6418, 24.4759

# Triad

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



54.6945, 26.6418, 72.7807



23.6858, 26.6418, 0.0000



9.8255, 26.6418, 89.2045

# Complementary

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



54.6945, 26.6418, 72.7807



36.0087, 71.6195, 13.2260

# 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.



7.7806, 26.6418, 34.0684



54.6945, 26.6418, 72.7807



13.8764, 26.6418, 0.9815

# Square

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



54.6945, 26.6418, 72.7807



37.8657, 26.6418, 0.4860



8.9620, 26.6418, 7.6463



15.9088, 26.6418, 150.6201



# Rectangle

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



54.6945, 26.6418, 72.7807



55.3845, 26.6418, 8.7323



8.9620, 26.6418, 7.6463



8.7579, 26.6418, 68.2163

# Sweetspot

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



54.6952, 26.6430, 72.7812



73.8483, 59.9354, 94.6226



18.5801, 7.4941, 95.0750



15.3221, 11.9281, 19.8808



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.



54.6952, 26.6430, 72.7812



54.6937, 26.6415, 72.7764



43.4349, 22.1389, 13.4854



18.6920, 18.2601, 22.2610



28.6163, 13.9358, 38.2253



2.8119, 1.3671, 3.8569



# Inverse Universe

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



54.6952, 26.6430, 72.7812



54.6937, 26.6415, 72.7764



41.8695, 73.9639, 44.0890



18.6920, 18.2601, 22.2610



28.6163, 13.9358, 38.2253



2.8119, 1.3671, 3.8569



# Previews

## White Background



This preview shows how the XYZ color 54.6945, 26.6418, 72.7807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

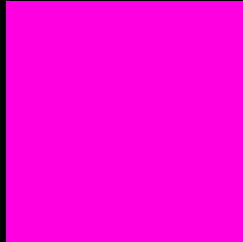
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6945, 26.6418, 72.7807 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 54.6945, 26.6418, 72.7807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.6945, 26.6418, 72.7807.



This preview shows how white text looks on a background with the XYZ color 54.6945, 26.6418,



# 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

54.6945, 26.6418, 72.7807

### Protanopia

30.9388, 27.5701, 98.2986

### Deuteranopia

27.8398, 27.1476, 64.7455



## Tritanopia

42.4277, 26.8244, 13.2974

# Trichromacy



## Original Color

54.6945, 26.6418, 72.7807



## Protanomaly

31.6729, 19.6221, 87.7060



## Deuteranomaly

31.2317, 20.1111, 66.5257



## Tritanomaly

44.5797, 24.5256, 27.5836

# Monochromacy



## Original Color

54.6945, 26.6418, 72.7807



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

21.1792, 13.1250, 28.6112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6945, 26.6418, 72.7807 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6945, 26.6418, 72.7807 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, 224) }
```



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

```
.border{ border-color:rgb(255, 0, 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, 0, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6945, 26.6418, 72.7807 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, 224) }
```

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

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