

# Converting Colors

XYZ(55.6394, 26.8449, 90.9071)

Have a look what the booklet for  
XYZ(55.6394, 26.8449, 90.9071)  
contains.

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# Color

**XYZ(55.7307, 26.8857,  
91.0591)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F807F8
RGB	248, 7, 248
RGB Percent	97%, 3%, 97%
CMY	0.0274, 0.9724, 0.0274
CMYK	0.00, 0.97, 0.00, 0.03
HSL	300°, 95%, 50%
HSV	300°, 97%, 97%
XYZ	55.7307, 26.8857, 91.0591
YIQ	106.5330, 66.2750, 126.0430

# Conversions

## Conversions Part 2

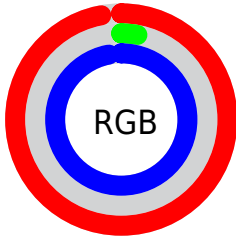
Format	Color
R <sub>Y</sub> B	248, 7, 248
Decimal	16254968
CIE Lab	58.87, 95.78, -59.35
CIE LCh	59, 112.680, 328.218
Yxy	26.8857, 0.3209, 0.1548
Android (android.graphics.Color)	4294445048 (0xFFFF807F8)
YUV	106.5330, 69.7432, 124.0666
Hunter-Lab	51.8514, 101.1145, -67.8264

# Details

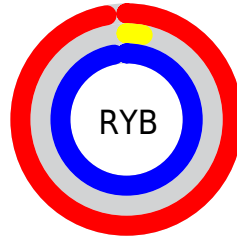
The XYZ color **55.7307, 26.8857, 91.0591** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **33.6947, 67.1968, 11.3966**, and the grayscale version is **13.6540, 14.3651, 15.6435**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **29.6537, 14.2007, 50.4683** is the 20% darker color. If you saturate the color by 10%, you get **55.6554, 26.7341, 91.0341**, and if you desaturate by 10%, it is **56.1676, 27.7586, 91.2050**.

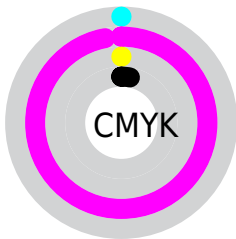
# Distribution



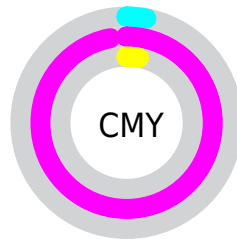
- Red (97%)
- Green (3%)
- Blue (97%)



- Red (97%)
- Yellow (3%)
- Blue (97%)



- Cyan (0%)
- Magenta (97%)
- Yellow (0%)
- Black (3%)




- Cyan (3%)
- Magenta (97%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7307, 26.8857, 91.0591 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 55.7307, 26.8857, 91.0591 by changing the saturation by 10% instead.





 55.7307, 26.8857,  
91.0591


 55.7307, 26.8857,  
91.0591

398.7673,  
287.1033, 552.1288

 40.2232, 17.4874,  
68.2807

 97.7528, 54.7004,  
150.7570


 27.8976, 10.5826,  
49.6580


 124.9982, 73.8856,  
188.5136


 18.3885, 5.7869,  
34.7725


 156.8868, 97.1019,  
232.1001

 11.3307, 2.7159,  
23.2055

 193.7841,  
124.7336, 281.9349

 6.3586, 0.9853,  
14.5386

 236.0555,  
157.1652, 338.4367

 3.1071, 0.0000,  
8.3532

284.0662,

 1.2106, 0.0000,

194.7811, 402.0239

4.2308

338.1817,  
237.9657, 473.1151

■ 0.1147, 0.0000,  
1.7528

■ 0.0000, 0.0000,  
0.3965

■ 55.7307, 26.8857,  
91.0591

■ 55.7307, 26.8857,  
91.0591

■ 55.6554, 26.7341,  
91.0341

■ 56.1676, 27.7586,  
91.2050

■ 57.1008, 29.6249,  
91.5162

■ 58.6307, 32.6847,  
92.0263

■ 60.8343, 37.0919,  
92.7609

63.7773, 42.9777,  
93.7420

67.5173, 50.4577,  
94.9888

72.1065, 59.6361,  
96.5186

77.5926, 70.6082,  
98.3474

84.0196, 83.4623,  
100.4899

# Harmonies

## Analogous

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



40.4155, 26.8857, 162.1057



55.7307, 26.8857, 91.0591



62.7331, 26.8857, 31.7229

# Triad

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



55.7307, 26.8857, 91.0591



26.3954, 26.8857, 0.0000



8.4800, 26.8857, 82.5418

# Complementary

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



55.7307, 26.8857, 91.0591



33.6947, 67.1968, 11.3966

# 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.



7.0502, 26.8857, 26.9544



55.7307, 26.8857, 91.0591



14.8719, 26.8857, 0.1544

# Square

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



55.7307, 26.8857, 91.0591



42.4041, 26.8857, 0.3994



8.8852, 26.8857, 4.6158



13.8895, 26.8857, 154.7587



# Rectangle

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



55.7307, 26.8857, 91.0591



60.3458, 26.8857, 11.2525



8.8852, 26.8857, 4.6158



7.6285, 26.8857, 60.3772

# Sweetspot

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



55.7318, 26.8870, 91.0596



75.8240, 61.5481, 102.4910



17.1081, 6.9757, 89.2532



15.7742, 12.2633, 21.7855



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.



55.7318, 26.8870, 91.0596



59.2898, 28.4799, 96.9788



42.6533, 21.6555, 22.1889



17.9931, 17.5246, 21.8195



30.0646, 14.4416, 49.1759



2.7845, 1.3375, 4.5545



# Inverse Universe

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



55.7318, 26.8870, 91.0596



59.2898, 28.4799, 96.9788



37.5209, 68.7273, 31.5452



17.9931, 17.5246, 21.8195



30.0646, 14.4416, 49.1759



2.7845, 1.3375, 4.5545



# Previews

## White Background



This preview shows how the XYZ color 55.7307, 26.8857, 91.0591 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

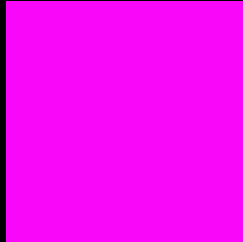
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.7307, 26.8857, 91.0591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

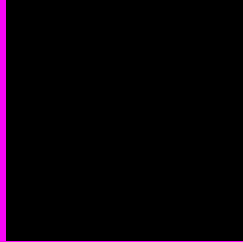
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 55.7307, 26.8857, 91.0591**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.7307, 26.8857, 91.0591.



This preview shows how white text looks on a background with the XYZ color 55.7307, 26.8857,

91.0591.

# 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

55.7307, 26.8857, 91.0591

### Protanopia

30.9388, 27.5701, 98.2986

### Deuteranopia

28.2768, 27.4594, 80.9006



## Tritanopia

40.1451, 26.8906, 16.1712

# Trichromacy



## Original Color

55.7307, 26.8857, 91.0591



## Protanomaly

32.8134, 20.4397, 94.3113



## Deuteranomaly

30.9369, 20.1077, 83.1395



## Tritanomaly

43.1509, 24.3580, 33.8798

# Monochromacy



## Original Color

55.7307, 26.8857, 91.0591



## Achromatopsia

13.9749, 14.7027, 16.0113



## Achromatomaly

22.5253, 14.2442, 33.9099

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7307, 26.8857, 91.0591 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(248, 7, 248)` looks like.

```
.text, #text, p{  
    color:rgb(248, 7, 248)  
}
```

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(248, 7, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 7, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7307, 26.8857, 91.0591 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(248, 7, 248) }
```



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

```
.border{ border-color:rgb(248, 7, 248) }
```

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

Here you see how a box with a 4 pixel rgb(248, 7, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 7, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 7, 248);  
box-shadow:4px 4px 4px 4px rgb(248, 7,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7307, 26.8857, 91.0591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 7, 248) }
```

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

```
.background{ background-color: rgb(248, 7,  
248) }
```

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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