

# Converting Colors

XYZ(59.0619, 28.3888, 95.7790)

Have a look what the booklet for  
XYZ(59.0619, 28.3888, 95.7790)  
contains.

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# Color

**XYZ(59.1294, 28.4158,  
96.1343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00FE
RGB	255, 0, 254
RGB Percent	100%, 0%, 100%
CMY	0.0000, 0.9998, 0.0039
CMYK	0.00, 1.00, 0.00, 0.00
HSL	300°, 100%, 50%
HSV	300°, 100%, 100%
XYZ	59.1294, 28.4158, 96.1343
YIQ	105.2010, 70.4460, 133.0540

# Conversions

## Conversions Part 2

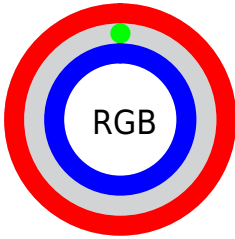
Format	Color
<a href="#">RYB</a>	255, 0, 254
Decimal	16711934
CIELab	60.26, 98.12, -60.38
CIElCh	60, 115.206, 328.392
Yxy	28.4158, 0.3219, 0.1547
Android (android.graphics.Color)	4294902014 (0xFFFF00FE)
YUV	105.2010, 73.3579, 131.3737
Hunter-Lab	53.3065, 104.7121, -69.6106

# Details

The XYZ color **59.1294, 28.4158, 96.1343** 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 **35.7663, 71.5226, 11.9502**, and the grayscale version is **13.2836, 13.9754, 15.2192**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.9561, 15.3230, 53.4979** is the 20% darker color. If you saturate the color by 10%, you get **59.1294, 28.4158, 96.1345**, and if you desaturate by 10%, it is **59.5049, 29.1411, 96.3388**.

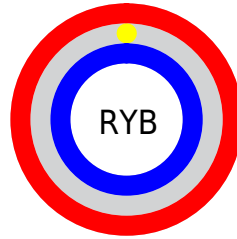
# Distribution



Red (100%)

Green (0%)

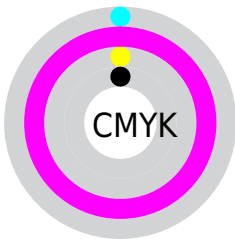
Blue (100%)



Red (100%)

Yellow (0%)

Blue (100%)

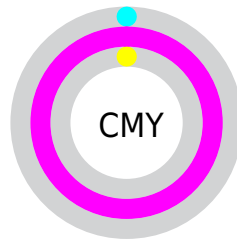


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (0%)



Cyan (0%)

Magenta (100%)


Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1294, 28.4158, 96.1343 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 59.1294, 28.4158, 96.1343 by changing the saturation by 10% instead.




 59.1294, 28.4158,  
96.1343

 59.1294, 28.4158,  
96.1343

411.2676,  
294.4485, 568.8668


 42.9641, 18.6393,  
72.4773

 102.6793, 57.1476,  
157.8398


 30.0513, 11.4100,  
53.0595


 130.7945, 76.8717,  
196.7254

 20.0258, 6.3433,  
37.4622


 163.6238,  
100.6805, 241.5243

 12.5222, 3.0549,  
25.2670

 201.5324,  
128.9584, 292.6550

 7.1751, 1.1605,  
16.0552

 244.8857,  
162.0897, 350.5360

 3.6191, 0.0291,  
9.4085

294.0491,

 1.4890, 0.0000,

200.4589, 415.5860

4.9081

349.3880,  
244.4504, 488.2234

■ 0.3183, 0.0000,  
2.1357

■ 0.0000, 0.0000,  
0.6369

■ 59.1294, 28.4158,  
96.1343

■ 59.1294, 28.4158,  
96.1343

■ 59.1294, 28.4158,  
96.1345

■ 59.5049, 29.1411,  
96.3388

■ 60.3474, 30.8005,  
96.6987

■ 61.7999, 33.6797,  
97.2620

■ 63.9497, 37.9536,  
98.0577

66.8700, 43.7685,  
99.1103

70.6248, 51.2524,  
100.4411

75.2714, 60.5200,  
102.0693

80.8621, 71.6757,  
104.0121

87.4451, 84.8159,  
106.2858

# Harmonies

## Analogous

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



42.8862, 28.4158, 171.7997



59.1294, 28.4158, 96.1343



66.5000, 28.4158, 33.2793

# Triad

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



59.1294, 28.4158, 96.1343



27.8133, 28.4158, 0.0000



8.9376, 28.4158, 87.9588

# Complementary

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



59.1294, 28.4158, 96.1343



35.7663, 71.5226, 11.9502

# 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.



7.4057, 28.4158, 28.7129



59.1294, 28.4158, 96.1343



15.6309, 28.4158, 0.1784

# Square

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



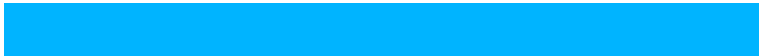
59.1294, 28.4158, 96.1343



44.7928, 28.4158, 0.4045



9.3244, 28.4158, 4.8932



14.6916, 28.4158, 164.7406



# Rectangle

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



59.1294, 28.4158, 96.1343



63.9100, 28.4158, 11.7203



9.3244, 28.4158, 4.8932



8.0300, 28.4158, 64.3464

# Sweetspot

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



59.1300, 28.4168, 96.1348



75.2618, 60.5008, 102.0659



18.0511, 7.2214, 95.0502



15.6659, 12.0656, 21.6914



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.



59.1300, 28.4168, 96.1348



59.1294, 28.4158, 96.1345



45.1055, 22.8070, 22.2831



18.7895, 18.2991, 22.7746



30.8978, 14.8484, 50.2399



3.0094, 1.4461, 4.8968



# Inverse Universe

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



59.1300, 28.4168, 96.1348



59.1294, 28.4158, 96.1345



39.6256, 73.0663, 32.2729



18.7895, 18.2991, 22.7746



30.8978, 14.8484, 50.2399



3.0094, 1.4461, 4.8968



# Previews

## White Background



This preview shows how the XYZ color 59.1294, 28.4158, 96.1343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

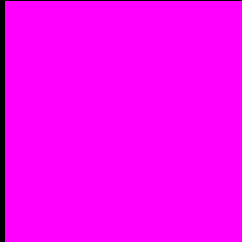
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1294, 28.4158, 96.1343 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 59.1294, 28.4158, 96.1343**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.1294, 28.4158, 96.1343.



This preview shows how white text looks on a background with the XYZ color 59.1294, 28.4158,



# 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

59.1294, 28.4158, 96.1343

### Protanopia

32.3867, 29.1921, 98.5354

### Deuteranopia

30.0382, 29.1741, 85.7093



## Tritanopia

42.7553, 28.5057, 16.8844

# Trichromacy



## Original Color

59.1294, 28.4158, 96.1343



## Protanomaly

34.7400, 21.3776, 96.9030



## Deuteranomaly

32.7263, 20.9266, 87.9023



## Tritanomaly

45.8347, 25.6173, 35.7866

# Monochromacy



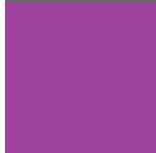
## Original Color

59.1294, 28.4158, 96.1343



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

22.7624, 13.9911, 34.3017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1294, 28.4158, 96.1343 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1294, 28.4158, 96.1343 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, 254) }
```



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

```
.border{ border-color:rgb(255, 0, 254) }
```

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, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1294, 28.4158, 96.1343 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, 254) }
```

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

```
.background{ background-color: rgb(255, 0,  
254) }
```

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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