

Converting Colors

XYZ(57.7077, 28.9646, 85.2023)

Have a look what the booklet for
XYZ(57.7077, 28.9646, 85.2023)
contains.

XYZ(57.6613, 28.9375, 84.9845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(57.6613, 28.9375,
84.9845)**

Conversions

Conversions Part 1

Format	Color
Hex	FF26F0
RGB	255, 38, 240
RGB Percent	100%, 15%, 94%
CMY	0.0000, 0.8509, 0.0588
CMYK	0.00, 0.85, 0.06, 0.00
HSL	304°, 100%, 57%
HSV	304°, 85%, 100%
XYZ	57.6613, 28.9375, 84.9845
YIQ	125.9110, 64.4900, 108.8260

Conversions

Conversions Part 2

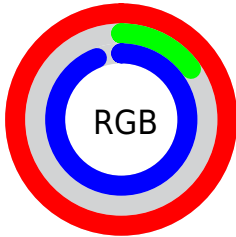
Format	Color
R _{YB}	255, 38, 240
Decimal	16721648
CIE _{Lab}	60.73, 92.55, -51.86
CIE _{LCh}	61, 106.091, 330.739
Y _{xy}	28.9375, 0.3361, 0.1686
Android (android.graphics.Color)	4294911728 (0xFFFF26F0)
YUV	125.9110, 56.2459, 113.2111
Hunter-Lab	53.7936, 97.1952, -56.0124

Details

The XYZ color **57.6613, 28.9375, 84.9845** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.2030, 72.1896, 15.3434**, and the grayscale version is **19.6041, 20.6250, 22.4606**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **30.5396, 14.7564, 46.0384** is the 20% darker color. If you saturate the color by 10%, you get **56.8454, 27.7227, 83.4271**, and if you desaturate by 10%, it is **59.0378, 31.2692, 86.7420**.

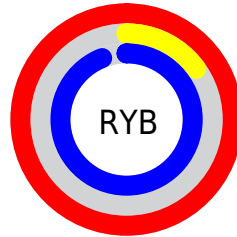
Distribution



Red (100%)

Green (15%)

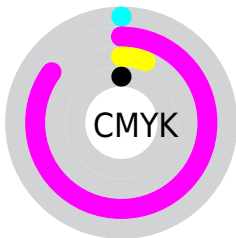
Blue (94%)



Red (100%)

Yellow (15%)

Blue (94%)

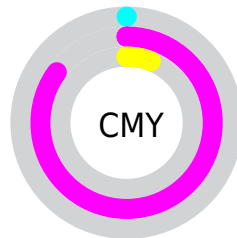


Cyan (0%)

Magenta (85%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6613, 28.9375, 84.9845 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 57.6613, 28.9375, 84.9845 by changing the saturation by 10% instead.


 57.6613, 28.9375,
84.9845


 57.6613, 28.9375,
84.9845


405.8969,
296.9200, 531.7200


 41.7786, 19.0335,
63.2785


 100.5553, 57.9778,
142.2255


 29.1183, 11.6945,
45.6241


 128.2973, 77.8829,
178.5976


 19.3151, 6.5360,
31.6028


 160.7231,
101.8905, 220.6954

 12.0035, 3.1737,
20.7960

 198.1981,
130.3850, 268.9375

 6.8183, 1.2231,
12.7852

 241.0876,
163.7508, 323.7425

 3.3940, 0.0804,
7.1518

289.7570,

 1.3654, 0.0000,

202.3723, 385.5289

3.4773

344.5717,
246.6339, 454.7152

■ 0.2314, 0.0000,
1.3432

■ 0.0000, 0.0000,
0.0968

■ 57.6613, 28.9375,
84.9845

■ 57.6613, 28.9375,
84.9845

■ 56.8454, 27.7227,
83.4271

■ 59.0378, 31.2692,
86.7420

■ 56.5805, 27.3962,
82.7122

■ 61.0711, 34.9105,
88.7307

■ 63.8414, 40.0219,
90.9777

■ 67.4171, 46.7398,
93.5058

71.8586, 55.1852,
96.3352

77.2205, 65.4675,
99.4841

83.5532, 77.6871,
102.9694

90.9031, 91.9369,
106.8065

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.



43.3728, 28.9375, 151.8956



57.6613, 28.9375, 84.9845



63.3687, 28.9375, 30.5408

Triad

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



57.6613, 28.9375, 84.9845



27.1644, 28.9375, 0.0000



10.4500, 28.9375, 88.3069

Complementary

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



57.6613, 28.9375, 84.9845



37.2030, 72.1896, 15.3434

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.



8.6191, 28.9375, 32.4955



57.6613, 28.9375, 84.9845



16.0722, 28.9375, 0.9449

Square

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



57.6613, 28.9375, 84.9845



42.5770, 28.9375, 0.8492



10.2720, 28.9375, 7.0816



16.4889, 28.9375, 154.7017

Rectangle

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



57.6613, 28.9375, 84.9845



60.4275, 28.9375, 11.5661



10.2720, 28.9375, 7.0816



9.4337, 28.9375, 66.6962

Sweetspot

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



57.6619, 28.9386, 84.9850



76.6939, 64.4546, 99.1843



20.1848, 9.3503, 95.3487



16.0016, 13.0006, 20.9903



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.



57.6619, 28.9386, 84.9850



56.5805, 27.3962, 82.7122



46.1015, 24.3145, 24.1086



18.7353, 18.2774, 22.4890



29.5876, 14.3243, 43.3403



2.8965, 1.4010, 4.3022

Inverse Universe

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



57.6619, 28.9386, 84.9850



56.5805, 27.3962, 82.7122



42.9907, 74.5047, 45.8213



18.7353, 18.2774, 22.4890



29.5876, 14.3243, 43.3403



2.8965, 1.4010, 4.3022

Previews

White Background



This preview shows how the XYZ color 57.6613, 28.9375, 84.9845 looks on a white background.

Color Contrast Check

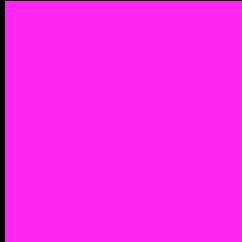
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.6613, 28.9375, 84.9845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

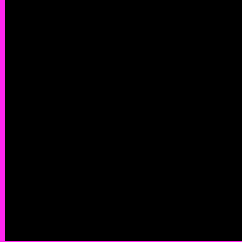
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.6613, 28.9375, 84.9845

Background



This preview shows how black text looks on a background with the XYZ color 57.6613, 28.9375, 84.9845.



This preview shows how white text looks on a background with the XYZ color 57.6613, 28.9375,

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

57.6613, 28.9375, 84.9845

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

29.9502, 29.1129, 75.9923



Tritanopia

43.3390, 28.6651, 16.8844

Trichromacy



Original Color

57.6613, 28.9375, 84.9845



Protanomaly

35.4438, 23.7776, 93.1639



Deuteranomaly

34.1787, 23.7585, 78.3857



Tritanomaly

46.5763, 27.2671, 33.8186

Monochromacy



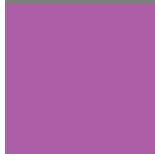
Original Color

57.6613, 28.9375, 84.9845



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

28.2113, 19.6797, 38.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6613, 28.9375, 84.9845 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, 38, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 240)  
}
```

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, 38, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 240) }
```

Border

The CSS property to change the border of an element to XYZ 57.6613, 28.9375, 84.9845 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, 38, 240) }
```


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

```
.border{ border-color:rgb(255, 38, 240) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6613, 28.9375, 84.9845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 240) }
```

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

```
.background{ background-color: rgb(255, 38,  
240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor