

Converting Colors

XYZ(57.3328, 28.2261, 85.0431)

Have a look what the booklet for
XYZ(57.3328, 28.2261, 85.0431)
contains.

XYZ(57.2948, 28.2045, 84.8623)	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(57.2948, 28.2045,
84.8623)**

Conversions

Conversions Part 1

Format	Color
Hex	FF18F0
RGB	255, 24, 240
RGB Percent	100%, 9%, 94%
CMY	0.0000, 0.9058, 0.0588
CMYK	0.00, 0.91, 0.06, 0.00
HSL	304°, 100%, 55%
HSV	304°, 91%, 100%
XYZ	57.2948, 28.2045, 84.8623
YIQ	117.6930, 68.3400, 116.1480

Conversions

Conversions Part 2

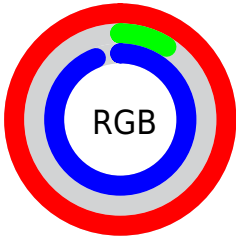
Format	Color
R _{YB}	255, 24, 240
Decimal	16718064
CIE _{Lab}	60.07, 94.47, -52.89
CIE _{LCh}	60, 108.271, 330.755
Yxy	28.2045, 0.3363, 0.1656
Android (android.graphics.Color)	4294908144 (0xFFFF18F0)
YUV	117.6930, 60.2974, 120.4182
Hunter-Lab	53.1079, 99.6336, -57.5653

Details

The XYZ color **57.2948, 28.2045, 84.8623** 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 **36.5039, 71.8611, 13.8682**, and the grayscale version is **16.9315, 17.8132, 19.3986**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **30.5396, 14.7564, 46.0384** is the 20% darker color. If you saturate the color by 10%, you get **56.7374, 27.4590, 83.5381**, and if you desaturate by 10%, it is **58.3358, 29.8910, 86.4290**.

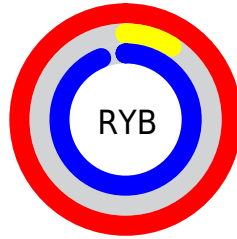
Distribution



Red (100%)

Green (9%)

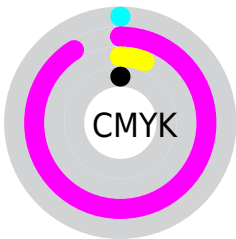
Blue (94%)



Red (100%)

Yellow (9%)

Blue (94%)

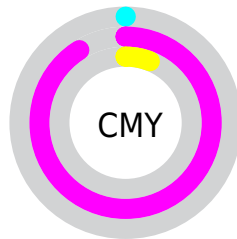


Cyan (0%)

Magenta (91%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2948, 28.2045, 84.8623 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 57.2948, 28.2045, 84.8623 by changing the saturation by 10% instead.


 57.2948, 28.2045,
84.8623

 57.2948, 28.2045,
84.8623


404.5494,
293.4428, 531.3050


 41.4830, 18.4799,
63.1781

 100.0241, 56.8108,
142.0532


 28.8860, 11.2951,
45.5434


 127.6723, 76.4612,
178.3970


 19.1385, 6.2657,
31.5396


 159.9968,
100.1890, 220.4645

 11.8750, 3.0073,
20.7482

 197.3628,
128.3786, 268.6741

 6.7302, 1.1355,
12.7506

 240.1357,
161.4144, 323.4444

 3.3388, 0.0081,
7.1283

288.6808,

 1.3353, 0.0000,

199.6808, 385.1940

3.4628

343.3636,
243.5621, 454.3413

■ 0.2094, 0.0000,
1.3355

■ 0.0000, 0.0000,
0.0907

■ 57.2948, 28.2045,
84.8623

■ 57.2948, 28.2045,
84.8623

■ 56.7374, 27.4590,
83.5381

■ 58.3358, 29.8910,
86.4290

■ 59.9827, 32.7855,
88.2084

■ 62.3243, 37.0660,
90.2305

■ 65.4346, 42.8804,
92.5200

69.3781, 50.3573,
95.0984

74.2124, 59.6123,
97.9850

79.9901, 70.7504,
101.1973

86.7595, 83.8683,
104.7515

94.5659, 99.0564,
108.6626

Harmonies

Analogous

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



42.8092, 28.2045, 153.3919



57.2948, 28.2045, 84.8623



63.0921, 28.2045, 29.7181

Triad

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



57.2948, 28.2045, 84.8623



26.4590, 28.2045, 0.0000



9.8501, 28.2045, 88.3283

Complementary

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



57.2948, 28.2045, 84.8623



36.5039, 71.8611, 13.8682

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.



8.0567, 28.2045, 31.7235



57.2948, 28.2045, 84.8623



15.3918, 28.2045, 0.7362

Square

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



57.2948, 28.2045, 84.8623



41.9861, 28.2045, 0.6364



9.6716, 28.2045, 6.5250



15.8145, 28.2045, 156.3404

Rectangle

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



57.2948, 28.2045, 84.8623



60.0957, 28.2045, 10.8741



9.6716, 28.2045, 6.5250



8.8538, 28.2045, 66.3142

Sweetspot

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



57.2954, 28.2056, 84.8628



76.1689, 63.3764, 99.0962



19.0899, 8.2417, 95.1924



15.9031, 12.7953, 20.9835



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.



57.2954, 28.2056, 84.8628



56.7374, 27.4590, 83.5381



45.4611, 23.4719, 22.5440



18.7387, 18.2788, 22.5073



29.6683, 14.3566, 43.7652



2.9035, 1.4038, 4.3390

Inverse Universe

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



57.2954, 28.2056, 84.8628



56.7374, 27.4590, 83.5381



41.7282, 73.9509, 41.3789



18.7387, 18.2788, 22.5073



29.6683, 14.3566, 43.7652



2.9035, 1.4038, 4.3390

Previews

White Background



This preview shows how the XYZ color 57.2948, 28.2045, 84.8623 looks on a white background.

Color Contrast Check

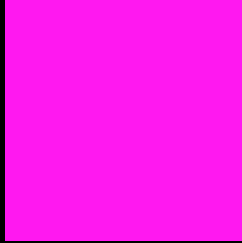
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.2948, 28.2045, 84.8623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

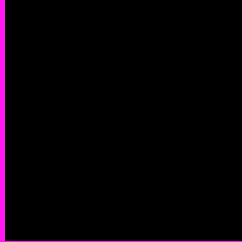
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.2948, 28.2045, 84.8623

Background



This preview shows how black text looks on a background with the XYZ color 57.2948, 28.2045, 84.8623.



This preview shows how white text looks on a background with the XYZ color 57.2948, 28.2045,

84.8623.

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

57.2948, 28.2045, 84.8623

Protanopia

32.0374, 28.7901, 98.4762

Deuteranopia

29.4464, 28.6253, 75.9248



Tritanopia

42.8568, 28.0258, 15.7211

Trichromacy



Original Color

57.2948, 28.2045, 84.8623



Protanomaly

34.4797, 22.4051, 92.9498



Deuteranomaly

33.1780, 22.3460, 78.1658



Tritanomaly

45.8637, 26.2401, 32.3533

Monochromacy



Original Color

57.2948, 28.2045, 84.8623



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

25.8404, 17.2741, 36.1547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2948, 28.2045, 84.8623 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, 24, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 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, 24, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 240) }
```

Border

The CSS property to change the border of an element to XYZ 57.2948, 28.2045, 84.8623 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, 24, 240) }
```


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

```
.border{ border-color:rgb(255, 24, 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, 24, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2948, 28.2045, 84.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 240) }
```

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

```
.background{ background-color: rgb(255, 24,  
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](#).

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