

Converting Colors

XYZ(57.7028, 28.2569, 87.3523)

Have a look what the booklet for
XYZ(57.7028, 28.2569, 87.3523)
contains.

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Color

**XYZ(57.6678, 28.2314,
87.2038)**

Conversions

Conversions Part 1

Format	Color
Hex	FF14F3
RGB	255, 20, 243
RGB Percent	100%, 8%, 95%
CMY	0.0000, 0.9214, 0.0471
CMYK	0.00, 0.92, 0.05, 0.00
HSL	303°, 100%, 54%
HSV	303°, 92%, 100%
XYZ	57.6678, 28.2314, 87.2038
YIQ	115.6870, 68.4770, 119.1730

Conversions

Conversions Part 2

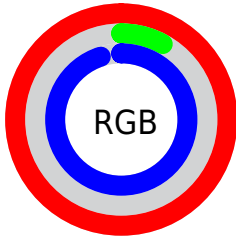
Format	Color
R _Y B	255, 20, 243
Decimal	16717043
CIE _{Lab}	60.10, 95.28, -54.53
CIE _{LCh}	60, 109.783, 330.217
Y _{xy}	28.2314, 0.3331, 0.1631
Android (android.graphics.Color)	4294907123 (0xFFFF14F3)
YUV	115.6870, 62.7653, 122.1775
Hunter-Lab	53.1332, 100.7506, -60.1152

Details

The XYZ color **57.6678, 28.2314, 87.2038** 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 **36.3103, 71.7735, 13.3086**, and the grayscale version is **16.3102, 17.1596, 18.6868**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **30.8552, 14.8826, 47.7008** is the 20% darker color. If you saturate the color by 10%, you get **57.2636, 27.6695, 86.3093**, and if you desaturate by 10%, it is **58.5739, 29.7276, 88.4799**.

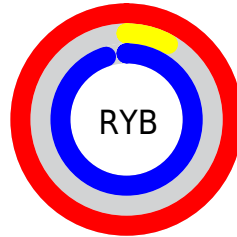
Distribution



Red (100%)

Green (8%)

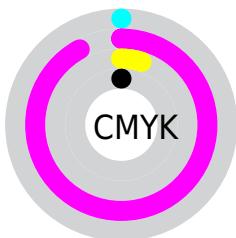
Blue (95%)



Red (100%)

Yellow (8%)

Blue (95%)

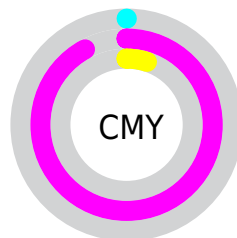


Cyan (0%)

Magenta (92%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (92%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6678, 28.2314, 87.2038 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 57.6678, 28.2314, 87.2038 by changing the saturation by 10% instead.


 57.6678, 28.2314,
87.2038


 57.6678, 28.2314,
87.2038


405.9208,
293.5710, 539.2259


 41.7839, 18.5002,
65.1033

 100.5647, 56.8537,
145.3495


 29.1225, 11.3097,
47.0930


 128.3084, 76.5135,
182.2319


 19.3182, 6.2755,
32.7543


 160.7360,
100.2516, 224.8785

 12.0058, 3.0133,
21.6687

 198.2129,
128.4525, 273.7081

 6.8199, 1.1387,
13.4177

 241.1045,
161.5005, 329.1390

 3.3950, 0.0108,
7.5827

289.7761,

 1.3659, 0.0000,

199.7799, 391.5900

3.7452

344.5931,
243.6753, 461.4794

■ 0.2318, 0.0000,
1.4866

■ 0.0000, 0.0000,
0.2079

■ 57.6678, 28.2314,
87.2038

■ 57.6678, 28.2314,
87.2038


■ 57.2636, 27.6695,
86.3093


■ 58.5739, 29.7276,
88.4799

■ 60.0692, 32.4000,
89.9590


■ 62.2457, 36.4327,
91.6721


■ 65.1792, 41.9771,
93.6445

 68.9354, 49.1646,
95.8980

 73.5728, 58.1125,
98.4522

 79.1449, 68.9271,
101.3249

 85.7004, 81.7067,
104.5325

 93.2852, 96.5423,
108.0901

Harmonies

Analogous

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



42.8052, 28.2314, 157.2486



57.6678, 28.2314, 87.2038



63.7995, 28.2314, 30.4477

Triad

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



57.6678, 28.2314, 87.2038



26.7311, 28.2314, 0.0000



9.6355, 28.2314, 88.2226

Complementary

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



57.6678, 28.2314, 87.2038



36.3103, 71.7735, 13.3086

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.



7.9019, 28.2314, 31.0325



57.6678, 28.2314, 87.2038



15.4292, 28.2314, 0.6117

Square

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



57.6678, 28.2314, 87.2038



42.5642, 28.2314, 0.5827



9.5840, 28.2314, 6.1344



15.5518, 28.2314, 158.1183

Rectangle

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



57.6678, 28.2314, 87.2038



60.8882, 28.2314, 11.0410



9.5840, 28.2314, 6.1344



8.6596, 28.2314, 65.8588

Sweetspot

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



57.6684, 28.2325, 87.2043



75.7659, 62.3624, 99.6032



18.8896, 8.0250, 95.1611



15.7290, 12.4025, 21.0629



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.



57.6684, 28.2325, 87.2043



57.2636, 27.6695, 86.3093



45.2416, 23.2618, 21.7655



18.7502, 18.2834, 22.5679



29.9390, 14.4649, 45.1905



2.9269, 1.4131, 4.4623

Inverse Universe

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



57.6684, 28.2325, 87.2043



57.2636, 27.6695, 86.3093



41.4951, 73.8474, 40.6114



18.7502, 18.2834, 22.5679



29.9390, 14.4649, 45.1905



2.9269, 1.4131, 4.4623

Previews

White Background



This preview shows how the XYZ color 57.6678, 28.2314, 87.2038 looks on a white background.

Color Contrast Check

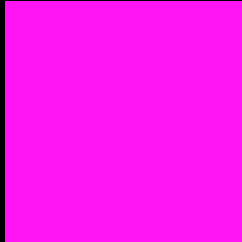
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.6678, 28.2314, 87.2038 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 57.6678, 28.2314, 87.2038

Background



This preview shows how black text looks on a background with the XYZ color 57.6678, 28.2314, 87.2038.



This preview shows how white text looks on a background with the XYZ color 57.6678, 28.2314,

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

57.6678, 28.2314, 87.2038

Protanopia

32.0374, 28.7901, 98.4762

Deuteranopia

29.3845, 28.5616, 77.3630



Tritanopia

42.9985, 28.2294, 16.0145

Trichromacy



Original Color

57.6678, 28.2314, 87.2038



Protanomaly

34.5428, 22.2797, 93.7466



Deuteranomaly

32.9755, 22.0655, 79.6119



Tritanomaly

45.9669, 26.1822, 33.2028

Monochromacy



Original Color

57.6678, 28.2314, 87.2038



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

25.4004, 16.7090, 36.0688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6678, 28.2314, 87.2038 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, 20, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 243)  
}
```

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, 20, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 243) }
```

Border

The CSS property to change the border of an element to XYZ 57.6678, 28.2314, 87.2038 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, 20, 243) }
```


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

```
.border{ border-color:rgb(255, 20, 243) }
```

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

Here you see how a box with a 4 pixel rgb(255, 20, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6678, 28.2314, 87.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 243) }
```

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

```
.background{ background-color: rgb(255, 20,  
243) }
```

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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