

Converting Colors

XYZ(113.9816, 58.2504,
67.6348)

Have a look what the booklet for
XYZ(113.9816, 58.2504, 67.6348)
contains.

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Color

**XYZ(53.6957, 27.1575,
64.6992)**

Conversions

Conversions Part 1

Format	Color
Hex	FF22D4
RGB	255, 34, 212
RGB Percent	100%, 13%, 83%
CMY	0.0000, 0.8666, 0.1686
CMYK	0.00, 0.87, 0.17, 0.00
HSL	312°, 100%, 57%
HSV	312°, 87%, 100%
XYZ	53.6957, 27.1575, 64.6992
YIQ	120.3710, 74.5780, 102.2100

Conversions

Conversions Part 2

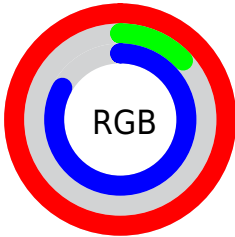
Format	Color
R _Y B	255, 34, 212
Decimal	16720596
CIE Lab	59.12, 89.54, -38.63
CIE LCh	59, 97.519, 336.667
Yxy	27.1575, 0.3689, 0.1866
Android (android.graphics.Color)	4294910676 (0xFFFF22D4)
YUV	120.3710, 45.1731, 118.0696
Hunter-Lab	52.1129, 92.7241, -37.1308

Details

The XYZ color **53.6957, 27.1575, 64.6992** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **37.7606, 72.3965, 19.0087**, and the grayscale version is **17.8180, 18.7459, 20.4143**.

A 20% lighter version of the original color is **65.0842, 40.0683, 98.9114**, and **28.0781, 13.7718, 33.0766** is the 20% darker color. If you saturate the color by 10%, you get **52.5997, 25.9518, 61.2930**, and if you desaturate by 10%, it is **55.3504, 29.4495, 68.3870**.

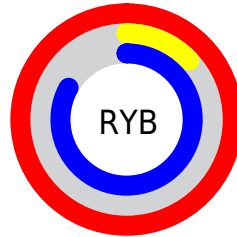
Distribution



Red (100%)

Green (13%)

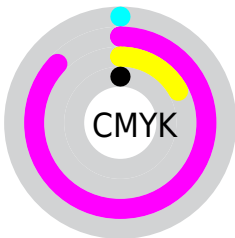
Blue (83%)



Red (100%)

Yellow (13%)

Blue (83%)

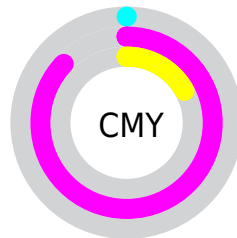


Cyan (0%)

Magenta (87%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6957, 27.1575, 64.6992 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 53.6957, 27.1575, 64.6992 by changing the saturation by 10% instead.

 53.6957, 27.1575,
64.6992


 53.6957, 27.1575,
64.6992

391.1659,
288.4189, 459.9868


 38.5881, 17.6915,
46.7674


 94.7868, 55.1365,
113.2264

 26.6188, 10.7288,
32.4988


 121.5011, 74.4183,
144.6589


 17.4222, 5.8848,
21.4748


 152.8149, 97.7409,
181.4288

 10.6331, 2.7751,
13.2769

 189.0938,
125.4887, 223.9545

 5.8862, 1.0155,
7.4865

 230.7029,
158.0459, 272.6546

 2.8160, 0.0000,
3.6852

278.0078,

 1.0572, 0.0000,

195.7971, 327.9477

1.4543

331.3736,
239.1266, 390.2522

■ 0.0000, 0.0000,
0.1835

■ 0.0000, 0.0000,
0.0000

■ 53.6957, 27.1575,
64.6992

■ 53.6957, 27.1575,
64.6992

■ 52.5997, 25.9518,
61.2930

■ 55.3504, 29.4495,
68.3870

■ 52.3054, 25.6862,
60.1998

■ 57.6648, 33.0301,
72.3903

■ 60.7217, 38.0644,
76.7376

■ 64.5910, 44.6917,
81.4530

69.3344, 53.0355,
86.5580

75.0075, 63.2066,
92.0719

81.6614, 75.3068,
98.0124

89.3431, 89.4302,
104.3960

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.



42.3947, 27.1575, 122.0186



53.6957, 27.1575, 64.6992



56.5976, 27.1575, 22.4734

Triad

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



53.6957, 27.1575, 64.6992



23.1983, 27.1575, 0.3545



11.2604, 27.1575, 90.0788

Complementary

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



53.6957, 27.1575, 64.6992



37.7606, 72.3965, 19.0087

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.



8.8862, 27.1575, 38.0221



53.6957, 27.1575, 64.6992



14.2398, 27.1575, 1.8369

Square

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



53.6957, 27.1575, 64.6992



36.1956, 27.1575, 0.8660



9.7737, 27.1575, 10.2199



17.6331, 27.1575, 143.0756

Rectangle

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



53.6957, 27.1575, 64.6992



52.7667, 27.1575, 8.5817



9.7737, 27.1575, 10.2199



10.0769, 27.1575, 70.8183

Sweetspot

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



53.6963, 27.1587, 64.6997



75.4150, 63.9430, 92.4497



21.4879, 9.8424, 95.3750



15.6933, 12.8773, 19.3670



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.



53.6963, 27.1587, 64.6997



52.3054, 25.6862, 60.1998



44.3112, 23.4047, 15.2781



18.6322, 18.2362, 21.9463



27.3845, 13.4431, 31.7387



2.7033, 1.3237, 3.2850

Inverse Universe

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



53.6963, 27.1587, 64.6997



52.3054, 25.6862, 60.1998



45.1798, 75.3642, 58.0773



18.6322, 18.2362, 21.9463



27.3845, 13.4431, 31.7387



2.7033, 1.3237, 3.2850

Previews

White Background



This preview shows how the XYZ color 53.6957, 27.1575, 64.6992 looks on a white background.

Color Contrast Check

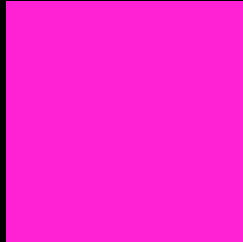
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.6957, 27.1575, 64.6992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

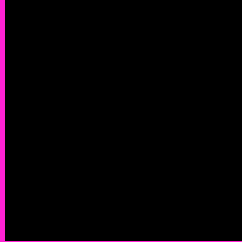
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.6957, 27.1575, 64.6992

Background



This preview shows how black text looks on a background with the XYZ color 53.6957, 27.1575, 64.6992.



This preview shows how white text looks on a background with the XYZ color 53.6957, 27.1575,

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

53.6957, 27.1575, 64.6992

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.0021, 27.3842, 57.8426



Tritanopia

43.1217, 27.1822, 13.3299

Trichromacy



Original Color

53.6957, 27.1575, 64.6992



Protanomaly

32.2663, 21.7424, 84.1574



Deuteranomaly

32.4450, 22.5203, 59.7636



Tritanomaly

45.5780, 26.0516, 25.9188

Monochromacy



Original Color

53.6957, 27.1575, 64.6992



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

25.6843, 17.8797, 32.2344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6957, 27.1575, 64.6992 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, 34, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 212)  
}
```

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, 34, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 212) }
```

Border

The CSS property to change the border of an element to XYZ 53.6957, 27.1575, 64.6992 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, 34, 212) }
```


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

```
.border{ border-color:rgb(255, 34, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 34, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6957, 27.1575, 64.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 212) }
```

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

```
.background{ background-color: rgb(255, 34,  
212) }
```

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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