

Converting Colors

XYZ(53.8682, 27.0871, 66.0373)

Have a look what the booklet for
XYZ(53.8682, 27.0871, 66.0373)
contains.

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Color

**XYZ(53.8676, 27.0950,
66.0091)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1FD6
RGB	255, 31, 214
RGB Percent	100%, 12%, 84%
CMY	0.0000, 0.8783, 0.1608
CMYK	0.00, 0.88, 0.16, 0.00
HSL	311°, 100%, 56%
HSV	311°, 88%, 100%
XYZ	53.8676, 27.0950, 66.0091
YIQ	118.8380, 74.7610, 104.4010

Conversions

Conversions Part 2

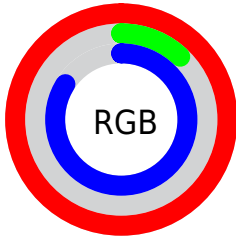
Format	Color
R _Y B	255, 31, 214
Decimal	16719830
CIE Lab	59.06, 90.23, -39.85
CIE LCh	59, 98.642, 336.171
Yxy	27.0950, 0.3665, 0.1844
Android (android.graphics.Color)	4294909910 (0xFFFF1FD6)
YUV	118.8380, 46.9149, 119.4141
Hunter-Lab	52.0529, 93.6306, -38.7496

Details

The XYZ color **53.8676, 27.0950, 66.0091** 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 **37.4962, 72.2798, 18.1098**, and the grayscale version is **17.3274, 18.2297, 19.8522**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **28.2503, 13.8407, 33.9834** is the 20% darker color. If you saturate the color by 10%, you get **52.8498, 25.9998, 62.7707**, and if you desaturate by 10%, it is **55.4222, 29.2363, 69.5112**.

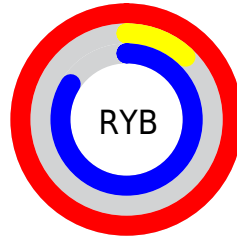
Distribution



Red (100%)

Green (12%)

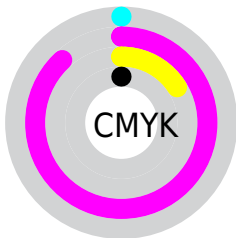
Blue (84%)



Red (100%)

Yellow (12%)

Blue (84%)

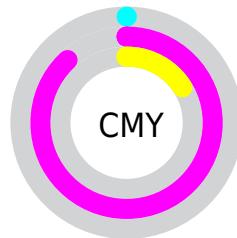


Cyan (0%)

Magenta (88%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8676, 27.0950, 66.0091 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 53.8676, 27.0950, 66.0091 by changing the saturation by 10% instead.


 53.8676, 27.0950,
66.0091


 53.8676, 27.0950,
66.0091

391.8115,
288.1168, 464.8145


 38.7261, 17.6446,
47.8233


 95.0379, 55.0363,
115.1265

 26.7265, 10.6951,
33.3279


 121.7973, 74.2959,
146.8952


 17.5034, 5.8622,
22.1046


 153.1601, 97.5941,
184.0285

 10.6916, 2.7615,
13.7347

 189.4915,
125.3152, 226.9451

 5.9256, 1.0085,
7.7998

 231.1571,
157.8436, 276.0635

 2.8401, 0.0000,
3.8812

278.5220,

 1.0698, 0.0000,

195.5638, 331.8021

1.5604

331.9517,
238.8600, 394.5796

■ 0.0000, 0.0000,
0.2623

■ 0.0000, 0.0000,
0.0000

■ 53.8676, 27.0950,
66.0091

■ 53.8676, 27.0950,
66.0091

■ 52.8498, 25.9998,
62.7707

■ 55.4222, 29.2363,
69.5112

■ 52.6648, 25.8299,
62.0922

■ 57.6237, 32.6439,
73.3137

■ 60.5565, 37.4864,
77.4456

■ 64.2918, 43.9057,
81.9313

68.8919, 52.0267,
86.7923

74.4133, 61.9616,
92.0480

80.9073, 73.8132,
97.7163

88.4215, 87.6763,
103.8135

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.



42.3065, 27.0950, 124.3369



53.8676, 27.0950, 66.0091



56.9867, 27.0950, 22.8279

Triad

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



53.8676, 27.0950, 66.0091



23.3029, 27.0950, 0.2630



11.0342, 27.0950, 89.9122

Complementary

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



53.8676, 27.0950, 66.0091



37.4962, 72.2798, 18.1098

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.



8.7160, 27.0950, 37.3641



53.8676, 27.0950, 66.0091



14.2025, 27.0950, 1.6798

Square

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



53.8676, 27.0950, 66.0091



36.4894, 27.0950, 0.8109



9.6568, 27.0950, 9.7791



17.3608, 27.0950, 144.2343

Rectangle

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



53.8676, 27.0950, 66.0091



53.2047, 27.0950, 8.6301



9.6568, 27.0950, 9.7791



9.8699, 27.0950, 70.3779

Sweetspot

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



53.8682, 27.0962, 66.0096



75.5302, 63.9891, 93.0564



20.9491, 9.4428, 95.3262



15.7210, 12.8884, 19.5128



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.



53.8682, 27.0962, 66.0096



52.6648, 25.8299, 62.0922



44.3156, 23.2752, 15.7059



18.6416, 18.2400, 21.9959



27.5700, 13.5173, 32.7157



2.7198, 1.3303, 3.3717

Inverse Universe

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



53.8682, 27.0962, 66.0096



52.6648, 25.8299, 62.0922



44.5988, 75.1209, 55.5115



18.6416, 18.2400, 21.9959



27.5700, 13.5173, 32.7157



2.7198, 1.3303, 3.3717

Previews

White Background



This preview shows how the XYZ color 53.8676, 27.0950, 66.0091 looks on a white background.

Color Contrast Check

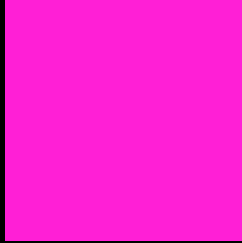
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.8676, 27.0950, 66.0091 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 53.8676, 27.0950, 66.0091

Background



This preview shows how black text looks on a background with the XYZ color 53.8676, 27.0950, 66.0091.



This preview shows how white text looks on a background with the XYZ color 53.8676, 27.0950,

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

53.8676, 27.0950, 66.0091

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

27.9526, 27.3317, 59.0606



Tritanopia

42.7737, 27.0029, 13.3136

Trichromacy



Original Color

53.8676, 27.0950, 66.0091



Protanomaly

32.3180, 21.6087, 84.9056



Deuteranomaly

32.3718, 22.3096, 60.9925



Tritanomaly

45.2339, 25.7769, 26.2583

Monochromacy



Original Color

53.8676, 27.0950, 66.0091



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

25.3894, 17.4743, 32.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8676, 27.0950, 66.0091 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, 31, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 214)  
}
```

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, 31, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 214) }
```

Border

The CSS property to change the border of an element to XYZ 53.8676, 27.0950, 66.0091 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, 31, 214) }
```


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

```
.border{ border-color:rgb(255, 31, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8676, 27.0950, 66.0091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 214) }
```

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

```
.background{ background-color: rgb(255, 31,  
214) }
```

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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