

Converting Colors

XYZ(50.8952, 27.0162, 46.9343)

Have a look what the booklet for
XYZ(50.8952, 27.0162, 46.9343)
contains.

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Color

**XYZ(50.8673, 27.0051,
46.7875)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33B6
RGB	255, 51, 182
RGB Percent	100%, 20%, 71%
CMY	0.0000, 0.7999, 0.2863
CMYK	0.00, 0.80, 0.29, 0.00
HSL	321°, 100%, 60%
HSV	321°, 80%, 100%
XYZ	50.8673, 27.0051, 46.7875
YIQ	126.9300, 79.5330, 83.9890

Conversions

Conversions Part 2

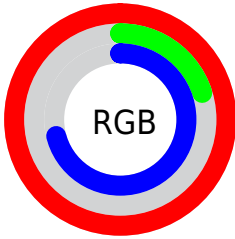
Format	Color
R _Y B	255, 51, 182
Decimal	16724918
CIE Lab	58.98, 82.76, -21.65
CIE LCh	59, 85.547, 345.342
Yxy	27.0051, 0.4080, 0.2166
Android (android.graphics.Color)	4294914998 (0xFFFF33B6)
YUV	126.9300, 27.1495, 112.3174
Hunter-Lab	51.9664, 83.7833, -17.0047

Details

The XYZ color **50.8673, 27.0051, 46.7875** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **40.7652, 73.6799, 31.1473**, and the grayscale version is **20.0423, 21.0861, 22.9627**.

A 20% lighter version of the original color is **63.3891, 40.8660, 85.4359**, and **25.9548, 12.9224, 21.8952** is the 20% darker color. If you saturate the color by 10%, you get **49.1295, 24.9898, 41.7058**, and if you desaturate by 10%, it is **53.2781, 30.2675, 52.3972**.

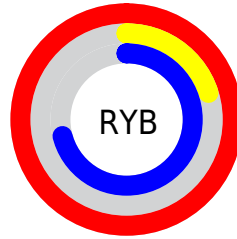
Distribution



Red (100%)

Green (20%)

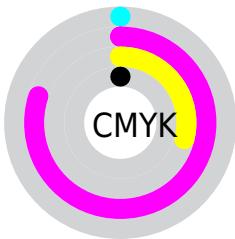
Blue (71%)



Red (100%)

Yellow (20%)

Blue (71%)

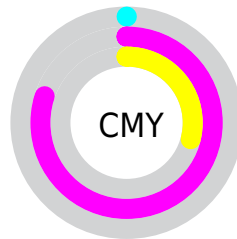


Cyan (0%)

Magenta (80%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8673, 27.0051, 46.7875 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 50.8673, 27.0051, 46.7875 by changing the saturation by 10% instead.


 50.8673, 27.0051,
46.7875


 50.8673, 27.0051,
46.7875

380.4442,
287.6818, 390.3349


 36.3236, 17.5771,
32.5146


 90.6427, 54.8921,
86.7430


 24.8555, 10.6468,
21.4868


 116.6052, 74.1197,
113.2626


 16.0976, 5.8298,
13.2856


 147.1047, 97.3828,
144.7016

 9.6845, 2.7419,
7.4925

 182.5065,
125.0655, 181.4784

 5.2509, 0.9985,
3.6889

 223.1760,
157.5524, 224.0116

 2.4315, 0.0000,
1.4563

269.4785,

 0.8608, 0.0000,

195.2278, 272.7197

0.1850

321.7795,
238.4762, 328.0213

■ 0.0000, 0.0000,
0.0000

■ 50.8673, 27.0051,
46.7875

■ 50.8673, 27.0051,
46.7875

■ 49.1295, 24.9898,
41.7058

■ 53.2781, 30.2675,
52.3972

■ 47.9184, 23.9316,
37.0970

■ 56.4478, 34.9479,
58.5685

■ 47.9177, 23.9311,
37.0941

■ 60.4517, 41.1947,
65.3322

■ 65.3548, 49.1363,
72.7151

■ 71.2155, 58.8877,
80.7420

■ 78.0871, 70.5538,
89.4355

■ 86.0187, 84.2315,
98.8171

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.



43.0668, 27.0051, 92.4764



50.8673, 27.0051, 46.7875



50.7681, 27.0051, 16.5060

Triad

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



50.8673, 27.0051, 46.7875



20.6437, 27.0051, 1.3930



13.8413, 27.0051, 93.5370

Complementary

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



50.8673, 27.0051, 46.7875



40.7652, 73.6799, 31.1473

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.



10.6020, 27.0051, 47.7099



50.8673, 27.0051, 46.7875



13.7277, 27.0051, 4.4995

Square

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



50.8673, 27.0051, 46.7875



31.1786, 27.0051, 1.3695



10.5672, 27.0051, 16.9677



20.8474, 27.0051, 129.7482

Rectangle

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



50.8673, 27.0051, 46.7875



46.1422, 27.0051, 6.9137



10.5672, 27.0051, 16.9677



12.3728, 27.0051, 77.7448

Sweetspot

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



50.8681, 27.0065, 46.7880



75.2093, 65.6434, 85.8710



27.3189, 13.7567, 95.8232



15.5802, 13.1727, 17.7210



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.



50.8681, 27.0065, 46.7880



48.3622, 24.2860, 38.8889



43.9329, 24.2325, 10.2677



18.5005, 18.1835, 21.2530



25.1119, 12.5340, 19.7715



2.4972, 1.2413, 2.1999

Inverse Universe

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



50.8681, 27.0065, 46.7880



48.3622, 24.2860, 38.8889



50.6353, 77.6279, 83.1225



18.5005, 18.1835, 21.2530



25.1119, 12.5340, 19.7715



2.4972, 1.2413, 2.1999

Previews

White Background



This preview shows how the XYZ color 50.8673, 27.0051, 46.7875 looks on a white background.

Color Contrast Check

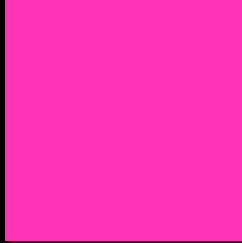
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.8673, 27.0051, 46.7875 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 50.8673, 27.0051, 46.7875

Background



This preview shows how black text looks on a background with the XYZ color 50.8673, 27.0051, 46.7875.



This preview shows how white text looks on a background with the XYZ color 50.8673, 27.0051,

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

50.8673, 27.0051, 46.7875

Protanopia

30.5865, 27.5520, 90.8948

Deuteranopia

27.7386, 27.1563, 42.3078



Tritanopia

43.6432, 27.0017, 12.1441

Trichromacy



Original Color

50.8673, 27.0051, 46.7875



Protanomaly

31.7138, 22.6154, 72.5057



Deuteranomaly

32.5240, 23.6778, 43.4135



Tritanomaly

45.6139, 26.5491, 21.1327

Monochromacy



Original Color

50.8673, 27.0051, 46.7875



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.1839, 20.0289, 30.0370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8673, 27.0051, 46.7875 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, 51, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 182)  
}
```

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, 51, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 182) }
```

Border

The CSS property to change the border of an element to XYZ 50.8673, 27.0051, 46.7875 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, 51, 182) }
```


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

```
.border{ border-color:rgb(255, 51, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8673, 27.0051, 46.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 182) }
```

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

```
.background{ background-color: rgb(255, 51,  
182) }
```

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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