

Converting Colors

XYZ(50.1235, 27.0843, 41.7086)

Have a look what the booklet for
XYZ(50.1235, 27.0843, 41.7086)
contains.

XYZ(50.1006, 27.0669, 41.6136)	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(50.1006, 27.0669,
41.6136)**

Conversions

Conversions Part 1

Format	Color
Hex	FF38AC
RGB	255, 56, 172
RGB Percent	100%, 22%, 67%
CMY	0.0000, 0.7803, 0.3255
CMYK	0.00, 0.78, 0.33, 0.00
HSL	325°, 100%, 61%
HSV	325°, 78%, 100%
XYZ	50.1006, 27.0669, 41.6136
YIQ	128.7250, 81.3680, 78.2640

Conversions

Conversions Part 2

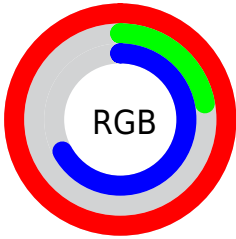
Format	Color
R_{YB}	255, 56, 172
Decimal	16726188
CIE _{Lab}	59.04, 80.47, -15.77
CIE _{LCh}	59, 81.996, 348.913
Yxy	27.0669, 0.4218, 0.2279
Android (android.graphics.Color)	4294916268 (0xFFFF38AC)
YUV	128.7250, 21.3346, 110.7432
Hunter-Lab	52.0259, 80.8492, -11.0058

Details

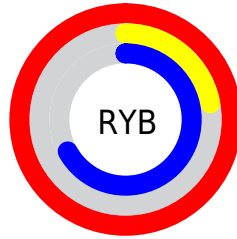
The XYZ color **50.1006, 27.0669, 41.6136** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **42.0529, 74.2257, 36.5420**, and the grayscale version is **20.6804, 21.7574, 23.6938**.

A 20% lighter version of the original color is **62.1881, 40.9720, 77.3038**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **48.1826, 24.8009, 36.1344**, and if you desaturate by 10%, it is **52.7303, 30.6254, 47.7339**.

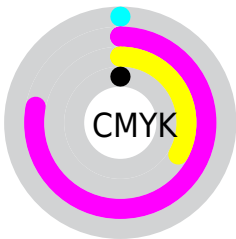
Distribution



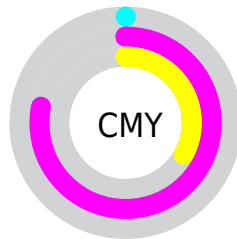
- Red (100%)
- Green (22%)
- Blue (67%)



- Red (100%)
- Yellow (22%)
- Blue (67%)



- Cyan (0%)
- Magenta (78%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1006, 27.0669, 41.6136 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 50.1006, 27.0669, 41.6136 by changing the saturation by 10% instead.


 50.1006, 27.0669,
41.6136


 50.1006, 27.0669,
41.6136

377.5047,
287.9809, 368.6310


 35.7115, 17.6235,
28.4755


 89.5148, 54.9912,
78.8783


 24.3805, 10.6800,
18.4423


 115.2707, 74.2409,
103.8419


 15.7424, 5.8521,
11.0953


 145.5461, 97.5281,
133.5846

 9.4317, 2.7554,
6.0160

 180.7065,
125.2372, 168.5247

 5.0832, 1.0054,
2.7858

 221.1172,
157.7526, 209.0809

 2.3314, 0.0000,
0.9864

267.1435,

 0.8107, 0.0000,

195.4588, 255.6716

0.0000

319.1509,
238.7401, 308.7154

■ 0.0000, 0.0000,
0.0000

■ 50.1006, 27.0669,
41.6136

■ 50.1006, 27.0669,
41.6136

■ 48.1826, 24.8009,
36.1344

■ 52.7303, 30.6254,
47.7339

■ 46.8582, 23.5944,
31.2468

■ 56.1554, 35.6409,
54.5317

■ 46.6358, 23.4183,
30.3439

■ 60.4495, 42.2577,
62.0405

■ 65.6768, 50.6016,
70.2901

■ 71.8953, 60.7858,
79.3083

79.1580, 72.9136,
89.1206

87.5140, 87.0808,
99.7513

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.



43.4711, 27.0669, 83.7683



50.1006, 27.0669, 41.6136



49.0304, 27.0669, 14.7838

Triad

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



50.1006, 27.0669, 41.6136



19.8910, 27.0669, 1.8921



14.8907, 27.0669, 95.0954

Complementary

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



50.1006, 27.0669, 41.6136



42.0529, 74.2257, 36.5420

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.



11.3007, 27.0669, 51.6215



50.1006, 27.0669, 41.6136



13.6173, 27.0669, 5.8539

Square

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



50.1006, 27.0669, 41.6136



29.6752, 27.0669, 1.5921



10.9060, 27.0669, 19.9555



22.1442, 27.0669, 125.7554

Rectangle

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



50.1006, 27.0669, 41.6136



44.1515, 27.0669, 6.4260



10.9060, 27.0669, 19.9555



13.3075, 27.0669, 80.5429

Sweetspot

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



50.1013, 27.0683, 41.6141



75.4174, 66.6413, 84.1465



30.0998, 15.5323, 96.0193



15.5956, 13.3537, 17.2632



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.



50.1013, 27.0683, 41.6141



47.3330, 23.9773, 33.1516



43.8441, 24.5655, 8.6642



18.4535, 18.1647, 21.0050



24.4444, 12.2670, 16.2564



2.4346, 1.2162, 1.8698

Inverse Universe

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



50.1013, 27.0683, 41.6141



47.3330, 23.9773, 33.1516



52.8858, 78.5588, 93.5872



18.4535, 18.1647, 21.0050



24.4444, 12.2670, 16.2564



2.4346, 1.2162, 1.8698

Previews

White Background



This preview shows how the XYZ color 50.1006, 27.0669, 41.6136 looks on a white background.

Color Contrast Check

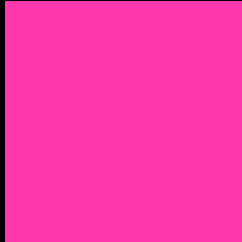
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.1006, 27.0669, 41.6136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

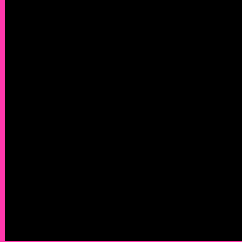
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.1006, 27.0669, 41.6136

Background



This preview shows how black text looks on a background with the XYZ color 50.1006, 27.0669, 41.6136.



This preview shows how white text looks on a background with the XYZ color 50.1006, 27.0669,

41.6136.

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

50.1006, 27.0669, 41.6136

Protanopia

29.5790, 27.3042, 78.5742

Deuteranopia

27.7868, 27.2769, 37.9829



Tritanopia

43.9216, 27.0308, 12.1351

Trichromacy



Original Color

50.1006, 27.0669, 41.6136



Protanomaly

31.6752, 23.1178, 63.1143



Deuteranomaly

32.6013, 24.1296, 39.0156



Tritanomaly

45.4960, 26.6062, 20.1904

Monochromacy



Original Color

50.1006, 27.0669, 41.6136



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

27.5414, 20.6610, 29.3245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1006, 27.0669, 41.6136 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, 56, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 172)  
}
```

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, 56, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 172) }
```

Border

The CSS property to change the border of an element to XYZ 50.1006, 27.0669, 41.6136 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, 56, 172) }
```


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

```
.border{ border-color:rgb(255, 56, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 56, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 56,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1006, 27.0669, 41.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 172) }
```

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

```
.background{ background-color: rgb(255, 56,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor