

Converting Colors

XYZ(49.8252, 27.6056, 38.1636)

Have a look what the booklet for
XYZ(49.8252, 27.6056, 38.1636)
contains.

XYZ(49.8649, 27.6434, 38.3048)	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(49.8649, 27.6434,
38.3048)**

Conversions

Conversions Part 1

Format	Color
Hex	FF40A5
RGB	255, 64, 165
RGB Percent	100%, 25%, 65%
CMY	0.0000, 0.7490, 0.3529
CMYK	0.00, 0.75, 0.35, 0.00
HSL	328°, 100%, 63%
HSV	328°, 75%, 100%
XYZ	49.8649, 27.6434, 38.3048
YIQ	132.6230, 81.4150, 71.9030

Conversions

Conversions Part 2

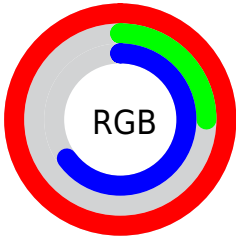
Format	Color
R _Y B	255, 64, 165
Decimal	16728229
CIE Lab	59.57, 77.55, -10.90
CIE LCh	60, 78.314, 351.998
Yxy	27.6434, 0.4306, 0.2387
Android (android.graphics.Color)	4294918309 (0xFFFF40A5)
YUV	132.6230, 15.9619, 107.3246
Hunter-Lab	52.5770, 77.2827, -6.3916

Details

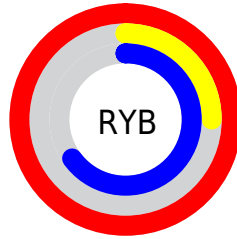
The XYZ color **49.8649, 27.6434, 38.3048** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.7090, 74.9439, 42.7394**, and the grayscale version is **22.0828, 23.2328, 25.3005**.

A 20% lighter version of the original color is **61.8774, 41.8657, 72.5297**, and **24.9730, 12.5297, 16.7250** is the 20% darker color. If you saturate the color by 10%, you get **47.6981, 24.9786, 32.4374**, and if you desaturate by 10%, it is **52.7927, 31.6655, 44.9333**.

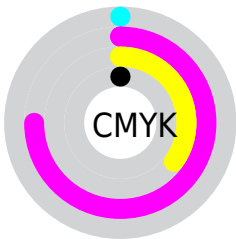
Distribution



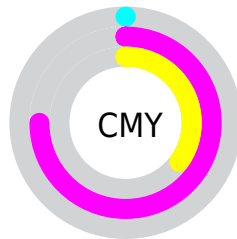
- Red (100%)
- Green (25%)
- Blue (65%)



- Red (100%)
- Yellow (25%)
- Blue (65%)



- Cyan (0%)
- Magenta (75%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8649, 27.6434, 38.3048 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 49.8649, 27.6434, 38.3048 by changing the saturation by 10% instead.


 49.8649, 27.6434,
38.3048

 49.8649, 27.6434,
38.3048


376.5981,
290.7590, 354.2630


 35.5234, 18.0570,
25.9157


 89.1677, 55.9146,
73.7837


 24.2348, 10.9909,
16.5354


 114.8597, 75.3682,
97.7105


 15.6335, 6.0607,
9.7453


 145.0660, 98.8797,
126.3203

 9.3544, 2.8821,
5.1270

 180.1518,
126.8335, 160.0316

 5.0320, 1.0705,
2.2620

 220.4826,
159.6139, 199.2630

 2.3010, 0.0000,
0.7098

266.4237,

 0.7952, 0.0000,

197.6053, 244.4330

0.0000

318.3404,
241.1922, 295.9602

■ 0.0000, 0.0000,
0.0000

■ 49.8649, 27.6434,
38.3048

■ 49.8649, 27.6434,
38.3048

■ 47.6981, 24.9786,
32.4374

■ 52.7927, 31.6655,
44.9333

■ 46.1894, 23.4703,
27.2823

■ 56.5612, 37.2001,
52.3623

■ 45.6016, 23.0046,
24.8977

■ 61.2417, 44.3859,
60.6286

■ 66.8973, 53.3447,
69.7656

■ 73.5848, 64.1866,
79.8043

81.3568, 77.0128,
90.7738

90.2621, 91.9170,
102.7017

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.



44.2163, 27.6434, 77.4104



49.8649, 27.6434, 38.3048



48.0551, 27.6434, 14.0022

Triad

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



49.8649, 27.6434, 38.3048



19.7955, 27.6434, 2.6108



16.2478, 27.6434, 96.3256

Complementary

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



49.8649, 27.6434, 38.3048



43.7090, 74.9439, 42.7394

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.



12.3283, 27.6434, 55.3508



49.8649, 27.6434, 38.3048



13.9910, 27.6434, 7.5229

Square

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



49.8649, 27.6434, 38.3048



29.0018, 27.6434, 1.9959



11.6206, 27.6434, 23.1577



23.7232, 27.6434, 122.1895

Rectangle

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



49.8649, 27.6434, 38.3048



43.0255, 27.6434, 6.4302



11.6206, 27.6434, 23.1577



14.5565, 27.6434, 82.9809

Sweetspot

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



49.8657, 27.6449, 38.3053



75.7224, 67.6936, 82.8849



33.0475, 17.6743, 96.2774



15.7788, 13.7855, 17.1230



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.



49.8657, 27.6449, 38.3053



46.8532, 24.0788, 29.7210



44.1917, 25.3753, 8.4261



18.4108, 18.1476, 20.7802



23.9039, 12.0509, 13.4106



2.3827, 1.1954, 1.5966

Inverse Universe

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



49.8657, 27.6449, 38.3053



46.8532, 24.0788, 29.7210



54.9170, 79.4271, 101.7599



18.4108, 18.1476, 20.7802



23.9039, 12.0509, 13.4106



2.3827, 1.1954, 1.5966

Previews

White Background



This preview shows how the XYZ color 49.8649, 27.6434, 38.3048 looks on a white background.

Color Contrast Check

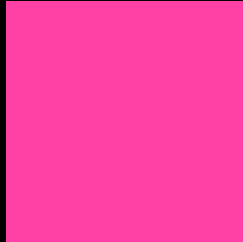
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.8649, 27.6434, 38.3048 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 49.8649, 27.6434, 38.3048

Background



This preview shows how black text looks on a background with the XYZ color 49.8649, 27.6434, 38.3048.



This preview shows how white text looks on a background with the XYZ color 49.8649, 27.6434,

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

49.8649, 27.6434, 38.3048

Protanopia

29.3854, 27.8414, 69.4708

Deuteranopia

28.2434, 27.7981, 34.8873



Tritanopia

44.5183, 27.5592, 12.6459

Trichromacy



Original Color

49.8649, 27.6434, 38.3048



Protanomaly

32.0345, 24.1030, 56.3900



Deuteranomaly

33.0384, 24.9104, 35.8678



Tritanomaly

46.0096, 27.2876, 19.6717

Monochromacy



Original Color

49.8649, 27.6434, 38.3048



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

28.6049, 22.1166, 29.5493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8649, 27.6434, 38.3048 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, 64, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 165)  
}
```

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, 64, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 165) }
```

Border

The CSS property to change the border of an element to XYZ 49.8649, 27.6434, 38.3048 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, 64, 165) }
```


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

```
.border{ border-color:rgb(255, 64, 165) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8649, 27.6434, 38.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 165) }
```

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

```
.background{ background-color: rgb(255, 64,  
165) }
```

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