

# Converting Colors

XYZ(101.7367, 58.4638,  
50.3344)

Have a look what the booklet for  
XYZ(101.7367, 58.4638, 50.3344)  
contains.

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# Color

**XYZ(54.4349, 34.1401,  
47.9766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF66B6
RGB	255, 102, 182
RGB Percent	100%, 40%, 71%
CMY	0.0000, 0.6000, 0.2863
CMYK	0.00, 0.60, 0.29, 0.00
HSL	329°, 100%, 70%
HSV	329°, 60%, 100%
XYZ	54.4349, 34.1401, 47.9766
YIQ	156.8670, 65.5080, 57.3160

# Conversions

## Conversions Part 2

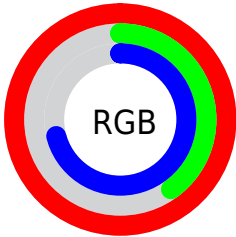
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 102, 182
Decimal	16737974
CIE <sub>Lab</sub>	65.07, 65.77, -12.41
CIE <sub>LCh</sub>	65, 66.929, 349.316
Yxy	34.1401, 0.3986, 0.2500
Android (android.graphics.Color)	4294928054 (0xFFFF66B6)
YUV	156.8670, 12.3906, 86.0626
Hunter-Lab	58.4295, 64.0449, -7.7825

# Details

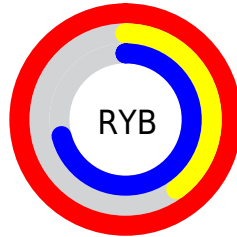
The XYZ color **54.4349, 34.1401, 47.9766** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.9790, 77.4407, 52.9274**, and the grayscale version is **31.9148, 33.5769, 36.5652**.

A 20% lighter version of the original color is **69.0708, 52.2293, 87.3298**, and **27.1936, 14.6381, 22.1611** is the 20% darker color. If you saturate the color by 10%, you get **51.0995, 29.3951, 40.9282**, and if you desaturate by 10%, it is **58.6516, 40.4729, 55.8586**.

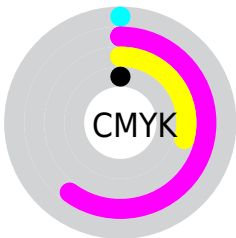
# Distribution



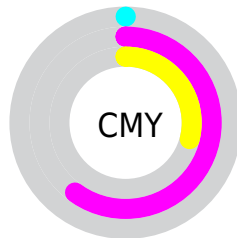
- Red (100%)
- Green (40%)
- Blue (71%)



- Red (100%)
- Yellow (40%)
- Blue (71%)



- Cyan (0%)
- Magenta (60%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4349, 34.1401, 47.9766 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 54.4349, 34.1401, 47.9766 by changing the saturation by 10% instead.





 54.4349, 34.1401,  
47.9766

 54.4349, 34.1401,  
47.9766

393.9376,  
320.7563, 395.2054


 39.1815, 23.0012,  
33.4485


 95.8657, 66.1515,  
88.5347


 27.0823, 14.5944,  
22.1963


 122.7737, 87.7928,  
115.4019

 17.7720, 8.5352,  
13.8015


 154.2974,  
113.7037, 147.2191

 10.8851, 4.4393,  
7.8456

 190.8021,  
144.2686, 184.4049

 6.0563, 1.9222,  
3.9099

232.6531,  
179.8720, 227.3779

 2.9204, 0.5617,  
1.5761

280.2158,

 1.1118, 0.0000,

220.8981, 276.5567

0.2737

333.8555,  
267.7314, 332.3596

■ 0.0349, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 54.4349, 34.1401,  
47.9766

■ 54.4349, 34.1401,  
47.9766

■ 51.0995, 29.3951,  
40.9282

■ 58.6516, 40.4729,  
55.8586

■ 48.5670, 26.0855,  
34.6725

■ 63.8139, 48.5176,  
64.6076

■ 46.7480, 24.0369,  
29.1659

■ 69.9824, 58.3917,  
74.2570

■ 45.4967, 22.9628,  
24.3450

■ 77.2119, 70.2004,  
84.8373

■ 45.4963, 22.9625,  
24.3435

■ 85.5531, 84.0414,  
96.3772

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.



48.7404, 34.1401, 83.9762



54.4349, 34.1401, 47.9766



53.4159, 34.1401, 22.1600

# Triad

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



54.4349, 34.1401, 47.9766



26.6644, 34.1401, 6.1221



21.7494, 34.1401, 94.1458

# Complementary

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



54.4349, 34.1401, 47.9766



48.9790, 77.4407, 52.9274

# 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.



17.8428, 34.1401, 57.7804



54.4349, 34.1401, 47.9766



20.2647, 34.1401, 12.0988

# Square

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



54.4349, 34.1401, 47.9766



36.0298, 34.1401, 5.5181



17.3597, 34.1401, 28.1264



29.1139, 34.1401, 118.2037



# Rectangle

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



54.4349, 34.1401, 47.9766



49.1166, 34.1401, 12.5667



17.3597, 34.1401, 28.1264



20.0564, 34.1401, 82.3064

# Sweetspot

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



54.4357, 34.1418, 47.9772



78.7871, 72.7989, 87.0640



40.1253, 25.6547, 97.4448



16.3755, 14.7773, 17.9435



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.



54.4357, 34.1418, 47.9772



50.5305, 28.6222, 39.6129



48.6517, 31.8281, 17.5189



18.4061, 18.1458, 20.7557



23.8488, 12.0288, 13.1204



2.3773, 1.1933, 1.5684



# Inverse Universe

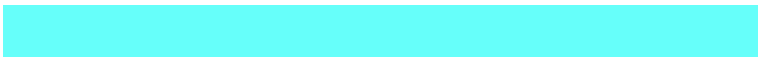
The Inverse Universe completely reimagines the original color for something new.



54.4357, 34.1418, 47.9772



50.5305, 28.6222, 39.6129



58.4801, 81.2411, 102.9594



18.4061, 18.1458, 20.7557



23.8488, 12.0288, 13.1204



2.3773, 1.1933, 1.5684



# Previews

## White Background



This preview shows how the XYZ color 54.4349, 34.1401, 47.9766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

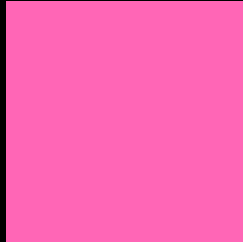
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4349, 34.1401, 47.9766 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 ✓ Pass

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

**XYZ 54.4349, 34.1401, 47.9766**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4349, 34.1401, 47.9766.



This preview shows how white text looks on a background with the XYZ color 54.4349, 34.1401,



# 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

54.4349, 34.1401, 47.9766

### Protanopia

35.3221, 34.3804, 71.7922

### Deuteranopia

34.9215, 34.2742, 44.8194



## Tritanopia

49.1302, 34.0155, 22.7151

# Trichromacy



## Original Color

54.4349, 34.1401, 47.9766



## Protanomaly

39.0008, 31.8883, 62.4920



## Deuteranomaly

39.8885, 32.5080, 45.7673



## Tritanomaly

50.7549, 33.8609, 30.2463

# Monochromacy



## Original Color

54.4349, 34.1401, 47.9766



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

37.8209, 31.9820, 40.2561

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4349, 34.1401, 47.9766 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, 102, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4349, 34.1401, 47.9766 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, 102, 182) }
```



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

```
.border{ border-color:rgb(255, 102, 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, 102, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4349, 34.1401, 47.9766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 182) }
```

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

```
.background{ background-color: rgb(255,  
102, 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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