

Converting Colors

XYZ(54.2633, 34.0715, 47.0730)

Have a look what the booklet for
XYZ(54.2633, 34.0715, 47.0730)
contains.

XYZ(54.2296, 34.0580, 46.8957)	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(54.2296, 34.0580,
46.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66B4
RGB	255, 102, 180
RGB Percent	100%, 40%, 71%
CMY	0.0000, 0.6000, 0.2941
CMYK	0.00, 0.60, 0.29, 0.00
HSL	329°, 100%, 70%
HSV	329°, 60%, 100%
XYZ	54.2296, 34.0580, 46.8957
YIQ	156.6390, 66.1500, 56.6940

Conversions

Conversions Part 2

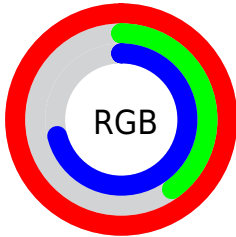
Format	Color
R _Y B	255, 102, 180
Decimal	16737972
CIE Lab	65.01, 65.53, -11.37
CIE LCh	65, 66.506, 350.158
Yxy	34.0580, 0.4012, 0.2519
Android (android.graphics.Color)	4294928052 (0xFFFF66B4)
YUV	156.6390, 11.5170, 86.2626
Hunter-Lab	58.3592, 63.7403, -6.7922

Details

The XYZ color **54.2296, 34.0580, 46.8957** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **49.1770, 77.5199, 53.9699**, and the grayscale version is **31.8163, 33.4732, 36.4523**.

A 20% lighter version of the original color is **68.7785, 52.1124, 85.7906**, and **26.8044, 14.4527, 21.4556** is the 20% darker color. If you saturate the color by 10%, you get **50.8810, 29.3078, 39.7774**, and if you desaturate by 10%, it is **58.4653, 40.3984, 54.8771**.

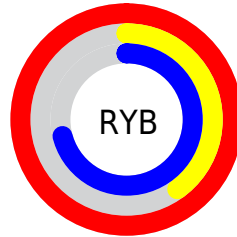
Distribution



Red (100%)

Green (40%)

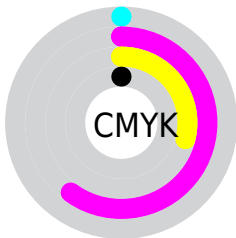
Blue (71%)



Red (100%)

Yellow (40%)

Blue (71%)

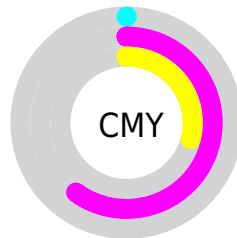


Cyan (0%)

Magenta (60%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2296, 34.0580, 46.8957 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 54.2296, 34.0580, 46.8957 by changing the saturation by 10% instead.


 54.2296, 34.0580,
46.8957


 54.2296, 34.0580,
46.8957

393.1690,
320.3906, 390.7798

 39.0167, 22.9382,
32.5995


 95.5662, 66.0239,
86.9063


 26.9535, 14.5479,
21.5512


 122.4206, 87.6387,
113.4577

 17.6747, 8.5027,
13.3323


 153.8861,
113.5206, 144.9312

 10.8150, 4.4183,
7.5244

 190.3282,
144.0540, 181.7454

 6.0089, 1.9102,
3.7088

232.1122,
179.6233, 224.3188

 2.8912, 0.5545,
1.4670

279.6034,

 1.0965, 0.0000,

220.6129, 273.0700

0.1931

333.1672,
267.4072, 328.4175

■ 0.0222, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.2296, 34.0580,
46.8957

■ 54.2296, 34.0580,
46.8957

■ 50.8810, 29.3078,
39.7774

■ 58.4653, 40.3984,
54.8771

■ 48.3406, 25.9949,
33.4799

■ 63.6523, 48.4530,
63.7563

■ 46.5186, 23.9452,
27.9582

■ 69.8516, 58.3394,
73.5678

■ 45.2693, 22.8718,
23.1473

■ 77.1182, 70.1630,
84.3433

■ 45.2689, 22.8716,
23.1459

■ 85.5029, 84.0214,
96.1127

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.



48.7512, 34.0580, 82.4288



54.2296, 34.0580, 46.8957



53.0246, 34.0580, 21.6602

Triad

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



54.2296, 34.0580, 46.8957



26.4063, 34.0580, 6.2713



21.9079, 34.0580, 94.4392

Complementary

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



54.2296, 34.0580, 46.8957



49.1770, 77.5199, 53.9699

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.



17.9269, 34.0580, 58.4973



54.2296, 34.0580, 46.8957



20.1448, 34.0580, 12.4453

Square

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



54.2296, 34.0580, 46.8957



35.6370, 34.0580, 5.5473



17.3527, 34.0580, 28.7452



29.3111, 34.0580, 117.5933

Rectangle

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



54.2296, 34.0580, 46.8957



48.6654, 34.0580, 12.3379



17.3527, 34.0580, 28.7452



20.1925, 34.0580, 82.8094

Sweetspot

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



54.2305, 34.0597, 46.8963



78.7015, 72.7646, 86.6130



40.6963, 25.9491, 97.4715



16.3547, 14.7689, 17.8336



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.



54.2305, 34.0597, 46.8963



50.3099, 28.5340, 38.4514



48.5193, 31.7752, 16.8218



18.3958, 18.1417, 20.7017



23.7297, 11.9812, 12.4928



2.3657, 1.1886, 1.5070

Inverse Universe

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



54.2305, 34.0597, 46.8963



50.3099, 28.5340, 38.4514



58.8826, 81.4021, 105.0786



18.3958, 18.1417, 20.7017



23.7297, 11.9812, 12.4928



2.3657, 1.1886, 1.5070

Previews

White Background



This preview shows how the XYZ color 54.2296, 34.0580, 46.8957 looks on a white background.

Color Contrast Check

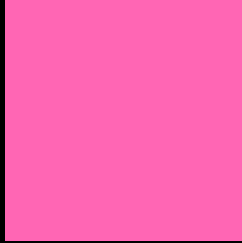
Large Text (above 18pt) WCAG AA × Fail

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 54.2296, 34.0580, 46.8957 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 54.2296, 34.0580, 46.8957

Background



This preview shows how black text looks on a background with the XYZ color 54.2296, 34.0580, 46.8957.



This preview shows how white text looks on a background with the XYZ color 54.2296, 34.0580,

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

54.2296, 34.0580, 46.8957

Protanopia

35.2281, 34.3621, 70.4215

Deuteranopia

34.9383, 34.3052, 43.8099



Tritanopia

49.1302, 34.0155, 22.7151

Trichromacy



Original Color

54.2296, 34.0580, 46.8957



Protanomaly

38.9946, 31.9130, 61.2313



Deuteranomaly

39.9550, 32.5652, 44.7373



Tritanomaly

50.7549, 33.8609, 30.2463

Monochromacy



Original Color

54.2296, 34.0580, 46.8957



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

37.7295, 31.9454, 39.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2296, 34.0580, 46.8957 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 180) }
```

Border

The CSS property to change the border of an element to XYZ 54.2296, 34.0580, 46.8957 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, 180) }
```


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

```
.border{ border-color:rgb(255, 102, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2296, 34.0580, 46.8957 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
102, 180) }
```

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