

Converting Colors

XYZ(55.0066, 34.3688, 50.9873)

Have a look what the booklet for
XYZ(55.0066, 34.3688, 50.9873)
contains.

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Color

**XYZ(54.9610, 34.3506,
50.7473)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66BB
RGB	255, 102, 187
RGB Percent	100%, 40%, 73%
CMY	0.0000, 0.6000, 0.2667
CMYK	0.00, 0.60, 0.27, 0.00
HSL	327°, 100%, 70%
HSV	327°, 60%, 100%
XYZ	54.9610, 34.3506, 50.7473
YIQ	157.4370, 63.9030, 58.8710

Conversions

Conversions Part 2

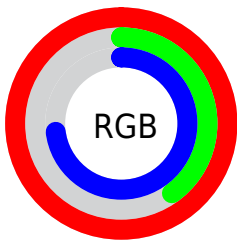
Format	Color
R _Y B	255, 102, 187
Decimal	16737979
CIE Lab	65.24, 66.39, -15.00
CIE LCh	65, 68.059, 347.271
Yxy	34.3506, 0.3924, 0.2453
Android (android.graphics.Color)	4294928059 (0xFFFF66BB)
YUV	157.4370, 14.5746, 85.5628
Hunter-Lab	58.6094, 64.8221, -10.3100

Details

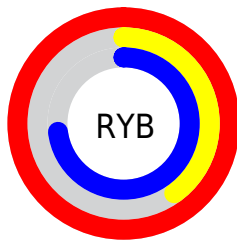
The XYZ color **54.9610, 34.3506, 50.7473** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.4969, 77.2478, 50.3883**, and the grayscale version is **32.1622, 33.8372, 36.8487**.

A 20% lighter version of the original color is **69.9885, 52.8727, 91.3107**, and **27.5343, 14.7744, 23.9548** is the 20% darker color. If you saturate the color by 10%, you get **51.6632, 29.6206, 43.8961**, and if you desaturate by 10%, it is **59.1269, 40.6631, 58.3610**.

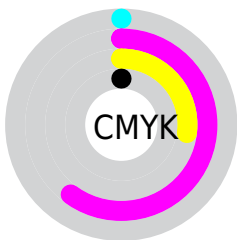
Distribution



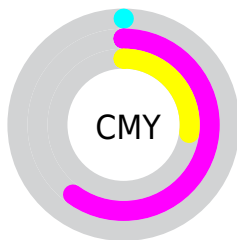
- Red (100%)
- Green (40%)
- Blue (73%)



- Red (100%)
- Yellow (40%)
- Blue (73%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9610, 34.3506, 50.7473 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 54.9610, 34.3506, 50.7473 by changing the saturation by 10% instead.


 54.9610, 34.3506,
50.7473

 54.9610, 34.3506,
50.7473

395.9029,
321.6925, 406.3997


 39.6042, 23.1631,
35.6322

 96.6325, 66.4785,
92.6888


 27.4129, 14.7140,
23.8628


 123.6779, 88.1877,
120.3523

 18.0218, 8.6189,
15.0206


 155.3502,
114.1729, 153.0357

 11.0654, 4.4934,
8.6871

 192.0148,
144.8184, 191.1575

 6.1785, 1.9532,
4.4436

234.0370,
180.5088, 235.1362

 2.9956, 0.5801,
1.8717

281.7821,

 1.1514, 0.0000,

221.6283, 285.3905

0.4747

335.6157,
268.5614, 342.3388

■ 0.0675, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9610, 34.3506,
50.7473

■ 54.9610, 34.3506,
50.7473

■ 51.6632, 29.6206,
43.8961

■ 59.1269, 40.6631,
58.3610

■ 49.1552, 26.3208,
37.7695

■ 64.2242, 48.6819,
66.7679

■ 47.3483, 24.2771,
32.3270

■ 70.3132, 58.5241,
75.9985

■ 46.0975, 23.2031,
27.5087

■ 77.4482, 70.2951,
86.0808

■ 46.0971, 23.2028,
27.5072

■ 85.6793, 84.0920,
97.0410

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.



48.7246, 34.3506, 87.9330



54.9610, 34.3506, 50.7473



54.4103, 34.3506, 23.4383

Triad

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



54.9610, 34.3506, 50.7473



27.3173, 34.3506, 5.7600



21.3606, 34.3506, 93.4457

Complementary

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



54.9610, 34.3506, 50.7473



48.4969, 77.2478, 50.3883

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.



17.6358, 34.3506, 56.0355



54.9610, 34.3506, 50.7473



20.5668, 34.3506, 11.2644

Square

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



54.9610, 34.3506, 50.7473



37.0261, 34.3506, 5.4447



17.3781, 34.3506, 26.6290



28.6316, 34.3506, 119.7690

Rectangle

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



54.9610, 34.3506, 50.7473



50.2623, 34.3506, 13.1477



17.3781, 34.3506, 26.6290



19.7223, 34.3506, 81.0863

Sweetspot

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



54.9619, 34.3523, 50.7479



79.0025, 72.8850, 88.1982



39.0156, 25.0827, 97.3928



16.4280, 14.7983, 18.2200



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.



54.9619, 34.3523, 50.7479



51.1000, 28.8500, 42.6119



48.9284, 31.9389, 18.9760



18.4318, 18.1560, 20.8912



24.1631, 12.1545, 14.7754



2.4077, 1.2055, 1.7284

Inverse Universe

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



54.9619, 34.3523, 50.7479



51.1000, 28.8500, 42.6119



57.6914, 80.9257, 98.8062



18.4318, 18.1560, 20.8912



24.1631, 12.1545, 14.7754



2.4077, 1.2055, 1.7284

Previews

White Background



This preview shows how the XYZ color 54.9610, 34.3506, 50.7473 looks on a white background.

Color Contrast Check

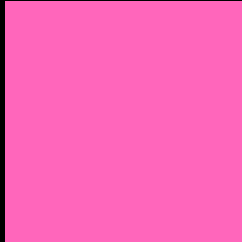
Large Text (above 18pt) WCAG AA × Fail

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 54.9610, 34.3506, 50.7473 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 54.9610, 34.3506, 50.7473

Background



This preview shows how black text looks on a background with the XYZ color 54.9610, 34.3506, 50.7473.



This preview shows how white text looks on a background with the XYZ color 54.9610, 34.3506,

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

54.9610, 34.3506, 50.7473

Protanopia

35.9325, 34.5863, 76.7335

Deuteranopia

35.3751, 34.6967, 47.4805



Tritanopia

49.3078, 34.2700, 23.0847

Trichromacy



Original Color

54.9610, 34.3506, 50.7473



Protanomaly

39.5102, 32.0651, 66.3941



Deuteranomaly

40.5364, 32.9915, 48.4875



Tritanomaly

51.0958, 34.1709, 31.5064

Monochromacy



Original Color

54.9610, 34.3506, 50.7473



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

38.0059, 32.0559, 41.2301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9610, 34.3506, 50.7473 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 187) }
```

Border

The CSS property to change the border of an element to XYZ 54.9610, 34.3506, 50.7473 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, 187) }
```


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

```
.border{ border-color:rgb(255, 102, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9610, 34.3506, 50.7473 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, 187) }
```

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

```
.background{ background-color: rgb(255,  
102, 187) }
```

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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