

Converting Colors

XYZ(72.5831, 43.5693, 53.1727)

Have a look what the booklet for
XYZ(72.5831, 43.5693, 53.1727)
contains.

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Color

**XYZ(55.3845, 34.6782,
52.4897)**

Conversions

Conversions Part 1

Format	Color
Hex	FF67BE
RGB	255, 103, 190
RGB Percent	100%, 40%, 75%
CMY	0.0000, 0.5960, 0.2549
CMYK	0.00, 0.60, 0.25, 0.00
HSL	326°, 100%, 70%
HSV	326°, 60%, 100%
XYZ	55.3845, 34.6782, 52.4897
YIQ	158.3660, 62.6650, 59.2810

Conversions

Conversions Part 2

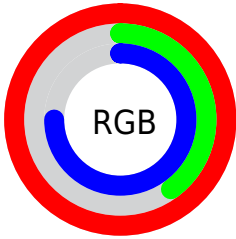
Format	Color
R_{YB}	255, 103, 190
Decimal	16738238
CIE _{Lab}	65.50, 66.34, -16.31
CIE _{LCh}	65, 68.318, 346.190
Yxy	34.6782, 0.3885, 0.2433
Android (android.graphics.Color)	4294928318 (0xFFFF67BE)
YUV	158.3660, 15.5956, 84.7480
Hunter-Lab	58.8882, 64.8254, -11.6261

Details

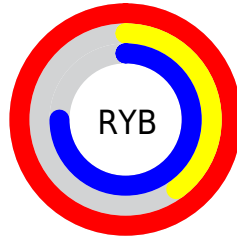
The XYZ color **55.3845, 34.6782, 52.4897** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.4231, 77.2315, 49.4045**, and the grayscale version is **32.5784, 34.2750, 37.3254**.

A 20% lighter version of the original color is **70.4454, 53.0554, 93.7166**, and **27.7798, 14.9258, 25.0837** is the 20% darker color. If you saturate the color by 10%, you get **52.0759, 29.8977, 45.7247**, and if you desaturate by 10%, it is **59.5572, 41.0439, 59.9835**.

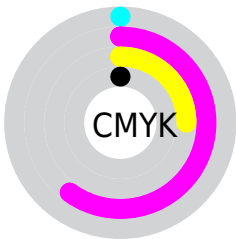
Distribution



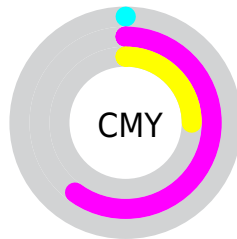
- Red (100%)
- Green (40%)
- Blue (75%)



- Red (100%)
- Yellow (40%)
- Blue (75%)



- Cyan (0%)
- Magenta (60%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3845, 34.6782, 52.4897 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 55.3845, 34.6782, 52.4897 by changing the saturation by 10% instead.


 55.3845, 34.6782,
52.4897

 55.3845, 34.6782,
52.4897


397.4805,
323.1456, 413.3348


 39.9447, 23.4151,
37.0106


 97.2491, 66.9869,
95.2870


 27.6795, 14.9003,
24.9199


 124.4047, 88.8014,
123.4422

 18.2234, 8.7495,
15.7989


 156.1962,
114.9017, 156.6600

 11.2111, 4.5781,
9.2291

 192.9890,
145.6723, 195.3588

 6.2774, 2.0019,
4.7921

235.1485,
181.4976, 239.9571

 3.0567, 0.6086,
2.0692

283.0400,

 1.1838, 0.0000,

222.7620, 290.8735

0.5973

337.0289,
269.8499, 348.5266

■ 0.0935, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.3845, 34.6782,
52.4897

■ 55.3845, 34.6782,
52.4897

■ 52.0759, 29.8977,
45.7247

■ 59.5572, 41.0439,
59.9835

■ 49.5540, 26.5510,
39.6520

■ 64.6568, 49.1179,
68.2352

■ 47.7310, 24.4656,
34.2328

■ 70.7432, 59.0167,
77.2742

■ 46.4689, 23.3691,
29.4110

■ 77.8702, 70.8454,
87.1271

■ 46.4243, 23.3337,
29.2304

■ 86.0876, 84.7006,
97.8189

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.



48.8772, 34.6782, 90.1581



55.3845, 34.6782, 52.4897



55.0927, 34.6782, 24.3897

Triad

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



55.3845, 34.6782, 52.4897



27.8840, 34.6782, 5.7198



21.3597, 34.6782, 93.0799

Complementary

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



55.3845, 34.6782, 52.4897



48.4231, 77.2315, 49.4045

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.



17.7270, 34.6782, 55.2914



55.3845, 34.6782, 52.4897



20.9394, 34.6782, 11.0249

Square

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



55.3845, 34.6782, 52.4897



37.7673, 34.6782, 5.5532



17.5906, 34.6782, 26.0790



28.5801, 34.6782, 120.4689

Rectangle

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



55.3845, 34.6782, 52.4897



51.0445, 34.6782, 13.6810



17.5906, 34.6782, 26.0790



19.7488, 34.6782, 80.5089

Sweetspot

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



55.3854, 34.6799, 52.4903



79.1141, 72.9296, 88.7855



38.6980, 25.0657, 97.4063



16.4553, 14.8092, 18.3634



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.



55.3854, 34.6799, 52.4903



51.4032, 28.9713, 44.2083



49.2245, 32.2155, 20.0476



18.4451, 18.1614, 20.9611



24.3340, 12.2229, 15.6754



2.4241, 1.2120, 1.8145

Inverse Universe

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



55.3854, 34.6799, 52.4903



51.4032, 28.9713, 44.2083



57.4317, 80.8350, 96.8434



18.4451, 18.1614, 20.9611



24.3340, 12.2229, 15.6754



2.4241, 1.2120, 1.8145

Previews

White Background



This preview shows how the XYZ color 55.3845, 34.6782, 52.4897 looks on a white background.

Color Contrast Check

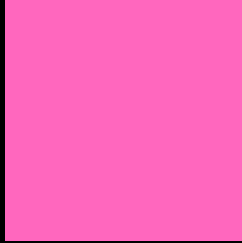
Large Text (above 18pt) WCAG AA × Fail

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 55.3845, 34.6782, 52.4897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

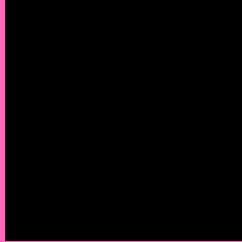
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.3845, 34.6782, 52.4897

Background



This preview shows how black text looks on a background with the XYZ color 55.3845, 34.6782, 52.4897.



This preview shows how white text looks on a background with the XYZ color 55.3845, 34.6782,

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

55.3845, 34.6782, 52.4897

Protanopia

36.5164, 35.0894, 78.9771

Deuteranopia

35.4747, 34.7126, 49.0865



Tritanopia

49.3113, 34.6030, 23.8187

Trichromacy



Original Color

55.3845, 34.6782, 52.4897



Protanomaly

40.0338, 32.5009, 68.4533



Deuteranomaly

40.5871, 32.9814, 50.1258



Tritanomaly

51.1136, 34.4894, 32.3969

Monochromacy



Original Color

55.3845, 34.6782, 52.4897



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.3365, 32.4167, 42.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3845, 34.6782, 52.4897 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, 103, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 190)  
}
```

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, 103, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 190) }
```

Border

The CSS property to change the border of an element to XYZ 55.3845, 34.6782, 52.4897 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, 103, 190) }
```


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

```
.border{ border-color:rgb(255, 103, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3845, 34.6782, 52.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 190) }
```

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

```
.background{ background-color: rgb(255,  
103, 190) }
```

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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