

Converting Colors

XYZ(55.1246, 34.4158, 51.6237)

Have a look what the booklet for
XYZ(55.1246, 34.4158, 51.6237)
contains.

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Color

**XYZ(55.1767, 34.4369,
51.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66BD
RGB	255, 102, 189
RGB Percent	100%, 40%, 74%
CMY	0.0000, 0.6000, 0.2588
CMYK	0.00, 0.60, 0.26, 0.00
HSL	326°, 100%, 70%
HSV	326°, 60%, 100%
XYZ	55.1767, 34.4369, 51.8830
YIQ	157.6650, 63.2610, 59.4930

Conversions

Conversions Part 2

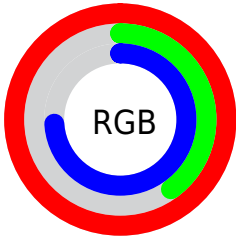
Format	Color
R _Y B	255, 102, 189
Decimal	16737981
CIE Lab	65.31, 66.64, -16.03
CIE LCh	65, 68.537, 346.476
Yxy	34.4369, 0.3900, 0.2434
Android (android.graphics.Color)	4294928061 (0xFFFF66BD)
YUV	157.6650, 15.4482, 85.3628
Hunter-Lab	58.6830, 65.1396, -11.3416

Details

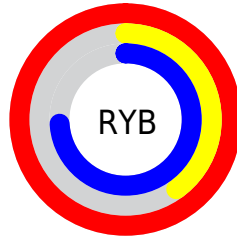
The XYZ color **55.1767, 34.4369, 51.8830** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.3091, 77.1727, 49.3993**, and the grayscale version is **32.2615, 33.9416, 36.9624**.

A 20% lighter version of the original color is **70.2922, 52.9942, 92.9103**, and **27.6751, 14.8307, 24.6965** is the 20% darker color. If you saturate the color by 10%, you get **51.8955, 29.7136, 45.1197**, and if you desaturate by 10%, it is **59.3207, 40.7406, 59.3815**.

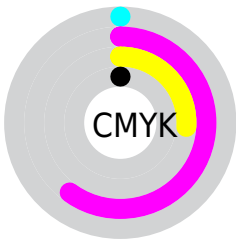
Distribution



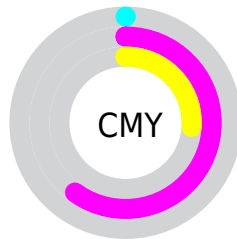
- Red (100%)
- Green (40%)
- Blue (74%)



- Red (100%)
- Yellow (40%)
- Blue (74%)



- Cyan (0%)
- Magenta (60%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1767, 34.4369, 51.8830 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 55.1767, 34.4369, 51.8830 by changing the saturation by 10% instead.


 55.1767, 34.4369,
51.8830

 55.1767, 34.4369,
51.8830


396.7069,
322.0758, 410.9288


 39.7776, 23.2294,
36.5302


 96.9466, 66.6125,
94.3835


 27.5486, 14.7630,
24.5510


 124.0482, 88.3494,
122.3683

 18.1244, 8.6532,
15.5269


 155.7812,
114.3650, 155.4008

 11.1396, 4.5157,
9.0393

 192.5112,
145.0436, 193.8997

 6.2288, 1.9660,
4.6697

234.6034,
180.7695, 238.2834

 3.0267, 0.5876,
1.9995

282.4231,

 1.1679, 0.0000,

221.9273, 288.9704

0.5549

336.3359,
268.9013, 346.3794

■ 0.0808, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.1767, 34.4369,
51.8830

■ 55.1767, 34.4369,
51.8830

■ 51.8955, 29.7136,
45.1197

■ 59.3207, 40.7406,
59.3815

■ 49.3992, 26.4184,
39.0547

■ 64.3907, 48.7485,
67.6448

■ 47.5993, 24.3775,
33.6487

■ 70.4469, 58.5776,
76.7024

■ 46.3508, 23.3045,
28.8428

■ 77.5433, 70.3331,
86.5815

■ 46.3505, 23.3042,
28.8413

■ 85.7298, 84.1123,
97.3073

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.



48.7228, 34.4369, 89.5514



55.1767, 34.4369, 51.8830



54.8148, 34.4369, 23.9610

Triad

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



55.1767, 34.4369, 51.8830



27.5814, 34.4369, 5.6194



21.2081, 34.4369, 93.1794

Complementary

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



55.1767, 34.4369, 51.8830



48.3091, 77.1727, 49.3993

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.



17.5543, 34.4369, 55.3565



55.1767, 34.4369, 51.8830



20.6885, 34.4369, 10.9431

Square

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



55.1767, 34.4369, 51.8830



37.4303, 34.4369, 5.4150



17.3858, 34.4369, 26.0496



28.4429, 34.4369, 120.4114

Rectangle

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



55.1767, 34.4369, 51.8830



50.7278, 34.4369, 13.3835



17.3858, 34.4369, 26.0496



19.5910, 34.4369, 80.6135

Sweetspot

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



55.1776, 34.4386, 51.8836



79.0892, 72.9197, 88.6546



38.4768, 24.8050, 97.3676



16.4492, 14.8067, 18.3314



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.



55.1776, 34.4386, 51.8836



51.3351, 28.9441, 43.8499



49.0728, 31.9967, 19.7362



18.4422, 18.1602, 20.9455



24.2955, 12.2075, 15.4722



2.4204, 1.2105, 1.7951

Inverse Universe

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



55.1776, 34.4386, 51.8836



51.3351, 28.9441, 43.8499



57.3052, 80.7712, 96.7721



18.4422, 18.1602, 20.9455



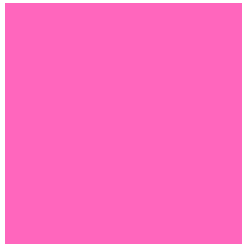
24.2955, 12.2075, 15.4722



2.4204, 1.2105, 1.7951

Previews

White Background



This preview shows how the XYZ color 55.1767, 34.4369, 51.8830 looks on a white background.

Color Contrast Check

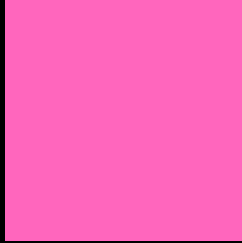
Large Text (above 18pt) WCAG AA × Fail

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 55.1767, 34.4369, 51.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

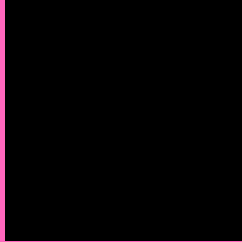
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1767, 34.4369, 51.8830

Background



This preview shows how black text looks on a background with the XYZ color 55.1767, 34.4369, 51.8830.



This preview shows how white text looks on a background with the XYZ color 55.1767, 34.4369,

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

55.1767, 34.4369, 51.8830

Protanopia

36.2139, 34.9496, 78.2361

Deuteranopia

35.3717, 34.6714, 48.5440



Tritanopia

49.1299, 34.3430, 23.4415

Trichromacy



Original Color

55.1767, 34.4369, 51.8830



Protanomaly

39.6737, 32.3301, 67.7676



Deuteranomaly

40.4818, 32.9393, 49.5717



Tritanomaly

50.9231, 34.2357, 31.9412

Monochromacy



Original Color

55.1767, 34.4369, 51.8830



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

38.2422, 32.3790, 41.7703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1767, 34.4369, 51.8830 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 189) }
```

Border

The CSS property to change the border of an element to XYZ 55.1767, 34.4369, 51.8830 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, 189) }
```


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

```
.border{ border-color:rgb(255, 102, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1767, 34.4369, 51.8830 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, 189) }
```

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

```
.background{ background-color: rgb(255,  
102, 189) }
```

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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