

Converting Colors

XYZ(56.5153, 34.9723, 58.9318)

Have a look what the booklet for
XYZ(56.5153, 34.9723, 58.9318)
contains.

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Color

**XYZ(56.5340, 34.9798,
59.0304)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66C9
RGB	255, 102, 201
RGB Percent	100%, 40%, 79%
CMY	0.0000, 0.6000, 0.2118
CMYK	0.00, 0.60, 0.21, 0.00
HSL	321°, 100%, 70%
HSV	321°, 60%, 100%
XYZ	56.5340, 34.9798, 59.0304
YIQ	159.0330, 59.4090, 63.2250

Conversions

Conversions Part 2

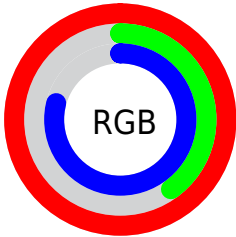
Format	Color
R _Y B	255, 102, 201
Decimal	16737993
CIE Lab	65.73, 68.20, -22.16
CIE LCh	66, 71.708, 341.998
Yxy	34.9798, 0.3755, 0.2324
Android (android.graphics.Color)	4294928073 (0xFFFF66C9)
YUV	159.0330, 20.6897, 84.1631
Hunter-Lab	59.1437, 67.1222, -17.7758

Details

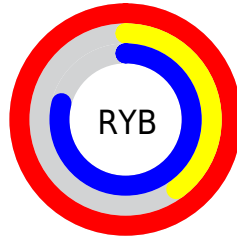
The XYZ color **56.5340, 34.9798, 59.0304** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.2418, 76.7458, 43.7794**, and the grayscale version is **32.8605, 34.5718, 37.6487**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **28.4653, 15.0949, 29.0171** is the 20% darker color. If you saturate the color by 10%, you get **53.3740, 30.3050, 52.9056**, and if you desaturate by 10%, it is **60.5281, 41.2235, 65.7401**.

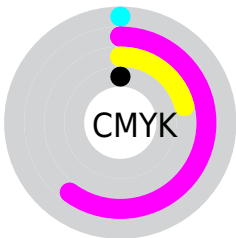
Distribution



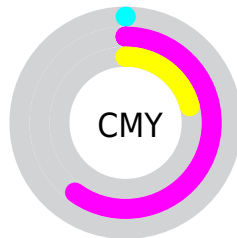
- Red (100%)
- Green (40%)
- Blue (79%)



- Red (100%)
- Yellow (40%)
- Blue (79%)



- Cyan (0%)
- Magenta (60%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5340, 34.9798, 59.0304 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 56.5340, 34.9798, 59.0304 by changing the saturation by 10% instead.


 56.5340, 34.9798,
59.0304


 56.5340, 34.9798,
59.0304

401.7433,
324.4792, 438.7196

 40.8699, 23.6473,
42.2174

 98.9202, 67.4545,
104.9514

 28.4047, 15.0722,
28.9447


 126.3730, 89.3655,
134.8965

 18.7729, 8.8701,
18.7938


 158.4861,
115.5714, 170.0561

 11.6094, 4.6565,
11.3461

 195.6249,
146.4567, 210.8486

 6.5486, 2.0472,
6.1830

238.1546,
182.4057, 257.6927

 3.2252, 0.6347,
2.8861

286.4407,

 1.2740, 0.0000,

223.8028, 311.0069

1.0368

340.8485,
271.0325, 371.2096

■ 0.1636, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5340, 34.9798,
59.0304

■ 56.5340, 34.9798,
59.0304

■ 53.3740, 30.3050,
52.9056

■ 60.5281, 41.2235,
65.7401

■ 50.9714, 27.0473,
47.3338

■ 65.4189, 49.1597,
73.0596

■ 49.2385, 25.0332,
42.2808

■ 71.2655, 58.9049,
81.0137

■ 48.0315, 23.9768,
37.6933

■ 78.1212, 70.5642,
89.6252

■ 48.0312, 23.9765,
37.6918

■ 86.0351, 84.2342,
98.9151

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.



48.7653, 34.9798, 99.6978



56.5340, 34.9798, 59.0304



57.3217, 34.9798, 27.2340

Triad

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



56.5340, 34.9798, 59.0304



29.2031, 34.9798, 4.8256



20.3267, 34.9798, 91.7398

Complementary

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



56.5340, 34.9798, 59.0304



47.2418, 76.7458, 43.7794

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.



17.0803, 34.9798, 51.4970



56.5340, 34.9798, 59.0304



21.4293, 34.9798, 9.1578

Square

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



56.5340, 34.9798, 59.0304



39.9246, 34.9798, 5.2343



17.4357, 34.9798, 22.7956



27.3593, 34.9798, 124.4612

Rectangle

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



56.5340, 34.9798, 59.0304



53.6076, 34.9798, 14.8386



17.4357, 34.9798, 22.7956



18.8309, 34.9798, 77.9502

Sweetspot

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



56.5349, 34.9814, 59.0310



79.6154, 73.1302, 91.4253



36.4266, 23.7480, 97.2717



16.5779, 14.8582, 19.0092



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.



56.5349, 34.9814, 59.0310



52.8346, 29.5439, 51.7461



49.6911, 32.2439, 22.9923



18.5045, 18.1851, 21.2736



25.1709, 12.5577, 20.0822



2.5027, 1.2435, 2.2288

Inverse Universe

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



56.5349, 34.9814, 59.0310



52.8346, 29.5439, 51.7461



55.8132, 80.1744, 88.9156



18.5045, 18.1851, 21.2736



25.1709, 12.5577, 20.0822



2.5027, 1.2435, 2.2288

Previews

White Background



This preview shows how the XYZ color 56.5340, 34.9798, 59.0304 looks on a white background.

Color Contrast Check

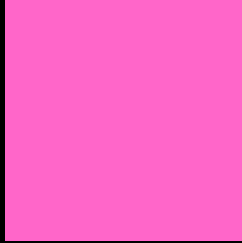
Large Text (above 18pt) WCAG AA × Fail

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 56.5340, 34.9798, 59.0304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

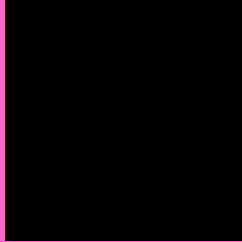
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5340, 34.9798, 59.0304

Background



This preview shows how black text looks on a background with the XYZ color 56.5340, 34.9798, 59.0304.



This preview shows how white text looks on a background with the XYZ color 56.5340, 34.9798,

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

56.5340, 34.9798, 59.0304

Protanopia

37.4406, 35.3308, 89.6402

Deuteranopia

35.7010, 34.9536, 54.7343



Tritanopia

49.3242, 34.9479, 24.5680

Trichromacy



Original Color

56.5340, 34.9798, 59.0304



Protanomaly

40.6284, 32.6067, 77.5512



Deuteranomaly

40.9026, 33.0178, 55.8470



Tritanomaly

51.6052, 34.6860, 34.9855

Monochromacy



Original Color

56.5340, 34.9798, 59.0304



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

38.9766, 32.7023, 44.3023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5340, 34.9798, 59.0304 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 201) }
```

Border

The CSS property to change the border of an element to XYZ 56.5340, 34.9798, 59.0304 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, 201) }
```


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

```
.border{ border-color:rgb(255, 102, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5340, 34.9798, 59.0304 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
102, 201) }
```

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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