

Converting Colors

XYZ(65.3684, 41.4938, 40.5462)

Have a look what the booklet for
XYZ(65.3684, 41.4938, 40.5462)
contains.

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Color

**XYZ(53.9171, 35.6015,
40.1064)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70A6
RGB	255, 112, 166
RGB Percent	100%, 44%, 65%
CMY	0.0000, 0.5608, 0.3490
CMYK	0.00, 0.56, 0.35, 0.00
HSL	337°, 100%, 72%
HSV	337°, 56%, 100%
XYZ	53.9171, 35.6015, 40.1064
YIQ	160.9130, 67.8940, 47.1100

Conversions

Conversions Part 2

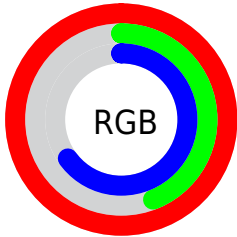
Format	Color
R_{YB}	255, 112, 166
Decimal	16740518
CIE _{Lab}	66.21, 59.53, -1.62
CIE _{LCh}	66, 59.554, 358.443
Yxy	35.6015, 0.4159, 0.2746
Android (android.graphics.Color)	4294930598 (0xFFFF70A6)
YUV	160.9130, 2.5079, 82.5143
Hunter-Lab	59.6670, 56.8814, 1.9139

Details

The XYZ color **53.9171, 35.6015, 40.1064** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.9866, 79.1827, 67.7540**, and the grayscale version is **33.8038, 35.5642, 38.7295**.

A 20% lighter version of the original color is **68.2938, 54.4857, 75.3239**, and **26.6046, 15.3226, 17.4749** is the 20% darker color. If you saturate the color by 10%, you get **50.1239, 30.2032, 32.0967**, and if you desaturate by 10%, it is **58.6883, 42.6682, 49.3293**.

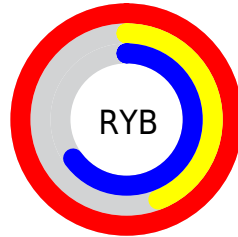
Distribution



Red (100%)

Green (44%)

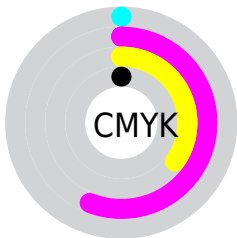
Blue (65%)



Red (100%)

Yellow (44%)

Blue (65%)

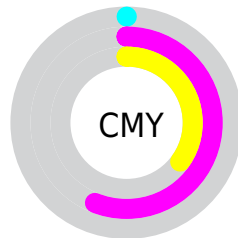


Cyan (0%)

Magenta (56%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9171, 35.6015, 40.1064 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 53.9171, 35.6015, 40.1064 by changing the saturation by 10% instead.


 53.9171, 35.6015,
40.1064

 53.9171, 35.6015,
40.1064

391.9973,
327.2154, 362.1372


 38.7658, 24.1266,
27.3071


 95.1101, 68.4165,
76.5644

 26.7575, 15.4275,
17.5695

 121.8825, 90.5255,
101.0601

 17.5268, 9.1200,
10.4751


 153.2594,
116.9478, 130.2917

 10.7084, 4.8195,
5.6054

189.6060,
148.0681, 164.6778

 5.9370, 2.1418,
2.5418

231.2878,
184.2706, 204.6369

 2.8471, 0.6880,
0.8622

278.6700,

 1.0734, 0.0000,

225.9397, 250.5874

0.0000

332.1181,
273.4598, 302.9480

■ 0.0027, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.9171, 35.6015,
40.1064

■ 53.9171, 35.6015,
40.1064

■ 50.1239, 30.2032,
32.0967

■ 58.6883, 42.6682,
49.3293

■ 47.2303, 26.3268,
25.2409

■ 64.5021, 51.5226,
59.8163

■ 45.1491, 23.8094,
19.4762

■ 71.4204, 62.2793,
71.6176

■ 43.7725, 22.4468,
14.7303

■ 79.4995, 75.0416,
84.7796

■ 43.3645, 22.1098,
13.1175

■ 88.7916, 89.9054,
99.3464

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.



50.5565, 35.6015, 70.3677



53.9171, 35.6015, 40.1064



51.1645, 35.6015, 19.8392

Triad

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



53.9171, 35.6015, 40.1064



26.3457, 35.6015, 9.7196



25.6722, 35.6015, 97.0811

Complementary

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



53.9171, 35.6015, 40.1064



52.9866, 79.1827, 67.7540

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.



20.9450, 35.6015, 67.0020



53.9171, 35.6015, 40.1064



21.2834, 35.6015, 18.4044

Square

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



53.9171, 35.6015, 40.1064



34.3037, 35.6015, 7.5641



19.4890, 35.6015, 37.4519



33.3768, 35.6015, 110.9879

Rectangle

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



53.9171, 35.6015, 40.1064



46.4635, 35.6015, 12.4929



19.4890, 35.6015, 37.4519



23.7360, 35.6015, 88.0235

Sweetspot

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



53.9181, 35.6033, 40.1070



78.7023, 73.7746, 83.5042



47.7143, 31.1152, 98.0987



16.4824, 15.2149, 17.2891



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.



53.9181, 35.6033, 40.1070



49.8198, 29.7831, 31.4152



51.9746, 38.0491, 19.9364



18.2931, 18.1006, 20.1606



22.7255, 11.5795, 7.2049



2.2637, 1.1479, 0.9703

Inverse Universe

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



53.9181, 35.6033, 40.1070



49.8198, 29.7831, 31.4152



55.4002, 71.9995, 105.5851



18.2931, 18.1006, 20.1606



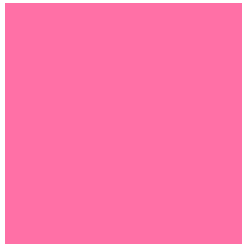
22.7255, 11.5795, 7.2049



2.2637, 1.1479, 0.9703

Previews

White Background



This preview shows how the XYZ color 53.9171, 35.6015, 40.1064 looks on a white background.

Color Contrast Check

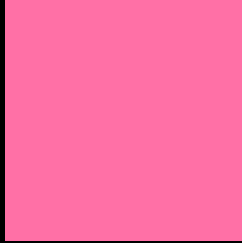
Large Text (above 18pt) WCAG AA × Fail

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 53.9171, 35.6015, 40.1064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

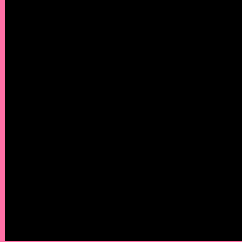
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.9171, 35.6015, 40.1064

Background



This preview shows how black text looks on a background with the XYZ color 53.9171, 35.6015, 40.1064.



This preview shows how white text looks on a background with the XYZ color 53.9171, 35.6015,

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

53.9171, 35.6015, 40.1064

Protanopia

35.6715, 35.8994, 57.2737

Deuteranopia

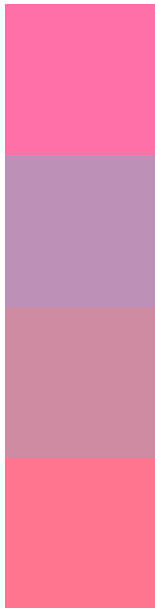
36.5066, 35.7451, 37.7763



Tritanopia

50.7576, 35.6869, 24.6351

Trichromacy



Original Color

53.9171, 35.6015, 40.1064

Protanomaly

39.8146, 34.0949, 50.3814

Deuteranomaly

41.3533, 34.4866, 38.6594

Tritanomaly

51.7518, 35.5582, 29.7270

Monochromacy



Original Color

53.9171, 35.6015, 40.1064

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

38.9390, 33.8914, 39.1397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9171, 35.6015, 40.1064 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, 112, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 166)  
}
```

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, 112, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 166) }
```

Border

The CSS property to change the border of an element to XYZ 53.9171, 35.6015, 40.1064 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, 112, 166) }
```


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

```
.border{ border-color:rgb(255, 112, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9171, 35.6015, 40.1064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 166) }
```

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

```
.background{ background-color: rgb(255,  
112, 166) }
```

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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