

Converting Colors

$Y_{xy}(35.9170, 0.3543, 0.2162)$

Have a look what the booklet for
Yxy(35.9170, 0.3543, 0.2162)
contains.

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Color

Yxy(35.9300, 0.3541, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	FF66DC
RGB	255, 102, 220
RGB Percent	100%, 40%, 86%
CMY	0.0000, 0.5999, 0.1374
CMYK	0.00, 0.60, 0.14, 0.00
HSL	314°, 100%, 70%
HSV	314°, 60%, 100%
XYZ	58.9019, 35.9300, 71.5107
YIQ	161.1990, 53.3100, 69.1340

Conversions

Conversions Part 2

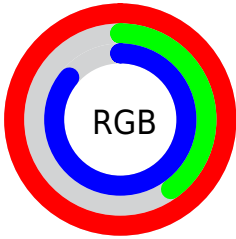
Format	Color
R _Y B	255, 102, 220
Decimal	16738012
CIE Lab	66.47, 70.83, -31.66
CIE LCh	66, 77.582, 335.913
Yxy	35.9300, 0.3541, 0.2160
Android (android.graphics.Color)	4294928092 (0xFFFF66DC)
YUV	161.1990, 28.9889, 82.2635
Hunter-Lab	59.9416, 70.5059, -28.7741

Details

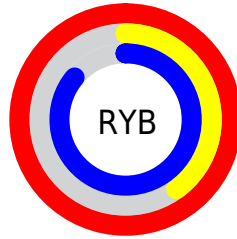
The Yxy color **35.9300, 0.3541, 0.2160** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **76.1478, 0.2898, 0.4823**, and the grayscale version is **35.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **15.6419, 0.3625, 0.1893** is the 20% darker color. If you saturate the color by 10%, you get **31.3614, 0.3633, 0.2034**, and if you desaturate by 10%, it is **42.0537, 0.3453, 0.2320**.

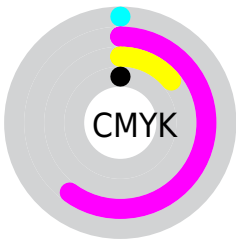
Distribution



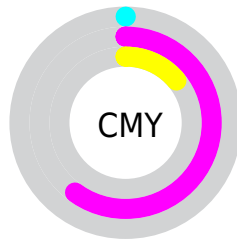
- Red (100%)
- Green (40%)
- Blue (86%)



- Red (100%)
- Yellow (40%)
- Blue (86%)



- Cyan (0%)
- Magenta (60%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9300, 0.3541, 0.2160 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 Yxy color 35.9300, 0.3541, 0.2160 by changing the saturation by 10% instead.


 35.9300, 0.3541,
0.2160


 35.9300, 0.3541,
0.2160

328.6545, 0.3354,
0.2685

 24.3801, 0.3582,
0.2041


 68.9240, 0.3477,
0.2342


 15.6158, 0.3631,
0.1896


 91.1369, 0.3452,
0.2413

 9.2527, 0.3691,
0.1715


 117.6730, 0.3430,
0.2474

 4.9064, 0.3764,
0.1485

 148.9167, 0.3411,
0.2527

 2.1924, 0.3854,
0.1187

185.2522, 0.3394,
0.2574

 0.7159, 0.3961,
0.0791

227.0641, 0.3379,

 0.0000, 0.4182,

0.2615

0.0000

274.7367, 0.3366,
0.2652

■ 0.0000, 0.3437,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.9300, 0.3541,
0.2160

■ 35.9300, 0.3541,
0.2160

■ 31.3614, 0.3633,
0.2034

■ 42.0537, 0.3453,
0.2320

■ 28.1962, 0.3726,
0.1951


■ 49.8553, 0.3371,
0.2503


■ 26.2613, 0.3817,
0.1916

■ 59.4513, 0.3298,
0.2700

■ 25.2715, 0.3905,
0.1925

■ 70.9464, 0.3233,
0.2901

 25.2704, 0.3905,
0.1925

 84.4370, 0.3176,
0.3099

99.9979, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9300, 0.2424, 0.1777



35.9300, 0.3541, 0.2160



35.9300, 0.4722, 0.2756

Triad

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



35.9300, 0.3541, 0.2160



35.9300, 0.4457, 0.5020



35.9300, 0.1314, 0.2478

Complementary

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



35.9300, 0.3541, 0.2160



76.1478, 0.2898, 0.4823

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.



35.9300, 0.1665, 0.3651



35.9300, 0.3541, 0.2160



35.9300, 0.3464, 0.5496

Square

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



35.9300, 0.3541, 0.2160



35.9300, 0.5191, 0.4228



35.9300, 0.2441, 0.5002



35.9300, 0.1335, 0.1859

Rectangle

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



35.9300, 0.3541, 0.2160



35.9300, 0.5236, 0.3217



35.9300, 0.2441, 0.5002



35.9300, 0.1385, 0.2808

Sweetspot

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



35.9317, 0.3541, 0.2160



73.4713, 0.3221, 0.2941



21.8931, 0.2162, 0.1442



14.9420, 0.3238, 0.2882



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.9317, 0.3541, 0.2160



30.6191, 0.3652, 0.2014



32.8224, 0.4464, 0.2866



18.2250, 0.3173, 0.3109



13.2295, 0.3891, 0.1917



1.3046, 0.3797, 0.1865

Inverse Universe

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



35.9317, 0.3541, 0.2160



30.6191, 0.3652, 0.2014



79.0758, 0.2568, 0.3826



18.2250, 0.3173, 0.3109



13.2295, 0.3891, 0.1917



1.3046, 0.3797, 0.1865

Previews

White Background



This preview shows how the Yxy color 35.9300, 0.3541, 0.2160 looks on a white background.

Color Contrast Check

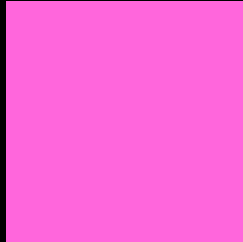
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.9300, 0.3541, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

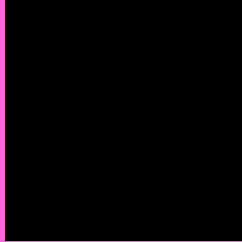
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9300, 0.3541, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 35.9300, 0.3541, 0.2160.



This preview shows how white text looks on a background with the Yxy color 35.9300, 0.3541, 0.2160.

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

35.9300, 0.3541, 0.2160

Protanopia

36.4519, 0.2230, 0.2082

Deuteranopia

36.0787, 0.2644, 0.2584



Tritanopia

35.7016, 0.4430, 0.3198

Trichromacy



Original Color

35.9300, 0.3541, 0.2160



Protanomaly

33.4720, 0.2581, 0.2040



Deuteranomaly

33.8508, 0.2932, 0.2351



Tritanomaly

35.3471, 0.4099, 0.2781

Monochromacy



Original Color

35.9300, 0.3541, 0.2160



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.7357, 0.3287, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9300, 0.3541, 0.2160 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 220) }
```

Border

The CSS property to change the border of an element to Yxy 35.9300, 0.3541, 0.2160 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, 220) }
```

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

```
.border{ border-color:rgb(255, 102, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9300, 0.3541, 0.2160 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
102, 220) }
```

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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