

Converting Colors

$Y_{xy}(35.3373, 0.3355, 0.2019)$

Have a look what the booklet for
Yxy(35.3373, 0.3355, 0.2019)
contains.

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Color

Yxy(35.3215, 0.3357, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	FA64E9
RGB	250, 100, 233
RGB Percent	98%, 39%, 91%
CMY	0.0195, 0.6080, 0.0862
CMYK	0.00, 0.60, 0.07, 0.02
HSL	307°, 94%, 69%
HSV	307°, 60%, 98%
XYZ	58.7001, 35.3215, 80.8373
YIQ	160.0120, 46.7070, 73.1630

Conversions

Conversions Part 2

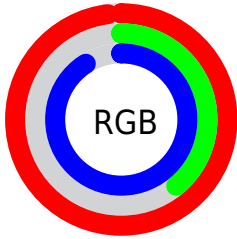
Format	Color
R _Y B	250, 100, 233
Decimal	16409833
CIE _{Lab}	66.00, 72.36, -39.72
CIE _{LCh}	66, 82.543, 331.235
Y _{xy}	35.3215, 0.3357, 0.2020
Android (android.graphics.Color)	4294599913 (0xFFFA64E9)
YUV	160.0120, 35.9831, 78.9195
Hunter-Lab	59.4319, 72.2964, -39.0419

Details

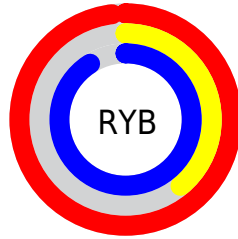
The Yxy color **35.3215, 0.3357, 0.2020** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **72.3802, 0.2971, 0.5041**, and the grayscale version is **34.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **15.2655, 0.3381, 0.1735** is the 20% darker color. If you saturate the color by 10%, you get **31.0815, 0.3402, 0.1879**, and if you desaturate by 10%, it is **41.0383, 0.3312, 0.2196**.

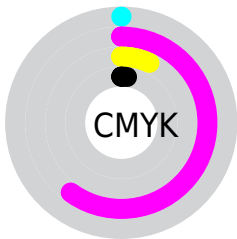
Distribution



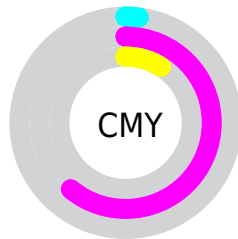
- Red (98%)
- Green (39%)
- Blue (91%)



- Red (98%)
- Yellow (39%)
- Blue (91%)



- Cyan (0%)
- Magenta (60%)
- Yellow (7%)
- Black (2%)





- Cyan (2%)
- Magenta (61%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3215, 0.3357, 0.2020 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 35.3215, 0.3357, 0.2020 by changing the saturation by 10% instead.

 35.3215, 0.3357,
0.2020


 35.3215, 0.3357,
0.2020


325.9851, 0.3269,
0.2601

 23.9106, 0.3371,
0.1892


 67.9835, 0.3331,
0.2219

 15.2673, 0.3386,
0.1736


 90.0035, 0.3319,
0.2297

 9.0072, 0.3399,
0.1545


 116.3286, 0.3309,
0.2365

 4.7459, 0.3407,
0.1307

 147.3432, 0.3299,
0.2424

 2.0990, 0.3399,
0.1009

183.4318, 0.3291,
0.2476

 0.6640, 0.3355,
0.0627

224.9787, 0.3283,

 0.0000, 0.3262,

0.2523

0.0000

272.3684, 0.3276,
0.2564

■ 0.0000, 0.2112,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.3215, 0.3357,
0.2020

■ 35.3215, 0.3357,
0.2020

■ 31.0815, 0.3402,
0.1879

■ 41.0383, 0.3312,
0.2196

■ 28.1739, 0.3445,
0.1781


■ 48.3488, 0.3269,
0.2399

■ 26.4338, 0.3486,
0.1728


■ 57.3640, 0.3228,
0.2619


■ 25.5874, 0.3523,
0.1715

■ 68.1836, 0.3191,
0.2845

 80.8994, 0.3157,
0.3071

 95.5972, 0.3127,
0.3290

 98.9319, 0.3109,
0.3311

 99.0692, 0.3096,
0.3290

Harmonies

Analogous

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



35.3215, 0.2229, 0.1664



35.3215, 0.3357, 0.2020



35.3215, 0.4655, 0.2610

Triad

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



35.3215, 0.3357, 0.2020



35.3215, 0.4647, 0.4963



35.3215, 0.1251, 0.2568

Complementary

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



35.3215, 0.3357, 0.2020



72.3802, 0.2971, 0.5041

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.



35.3215, 0.1673, 0.3909



35.3215, 0.3357, 0.2020



35.3215, 0.3621, 0.5612

Square

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



35.3215, 0.3357, 0.2020



35.3215, 0.5373, 0.4107



35.3215, 0.2539, 0.5311



35.3215, 0.1225, 0.1843

Rectangle

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



35.3215, 0.3357, 0.2020



35.3215, 0.5280, 0.3077



35.3215, 0.2539, 0.5311



35.3215, 0.1342, 0.2949

Sweetspot

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



35.3232, 0.3357, 0.2020



73.7996, 0.3184, 0.2890



19.6562, 0.2044, 0.1391



15.0231, 0.3194, 0.2824



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.



35.3232, 0.3357, 0.2020



31.7697, 0.3411, 0.1856



31.9761, 0.4227, 0.2685



17.4887, 0.3155, 0.3082



13.5825, 0.3517, 0.1711



1.2673, 0.3476, 0.1688

Inverse Universe

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



35.3232, 0.3357, 0.2020



31.7697, 0.3411, 0.1856



74.8145, 0.2647, 0.4063



17.4887, 0.3155, 0.3082



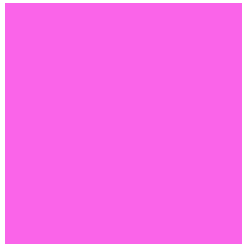
13.5825, 0.3517, 0.1711



1.2673, 0.3476, 0.1688

Previews

White Background



This preview shows how the Yxy color 35.3215, 0.3357, 0.2020 looks on a white background.

Color Contrast Check

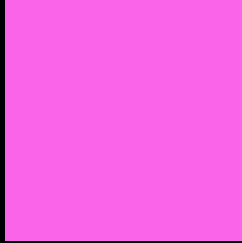
Large Text (above 18pt) WCAG AA × Fail

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 35.3215, 0.3357, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

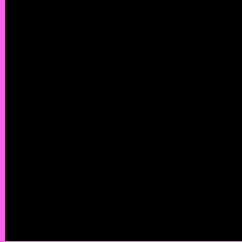
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3215, 0.3357, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 35.3215, 0.3357, 0.2020.



This preview shows how white text looks on a background with the Yxy color 35.3215, 0.3357, 0.2020.

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

35.3215, 0.3357, 0.2020

Protanopia

35.8847, 0.2212, 0.2064

Deuteranopia

35.6994, 0.2485, 0.2428



Tritanopia

35.0217, 0.4326, 0.3194

Trichromacy



Original Color

35.3215, 0.3357, 0.2020



Protanomaly

33.0417, 0.2516, 0.1975



Deuteranomaly

33.4263, 0.2746, 0.2197



Tritanomaly

34.7175, 0.3960, 0.2713

Monochromacy



Original Color

35.3215, 0.3357, 0.2020



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.1023, 0.3218, 0.2660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3215, 0.3357, 0.2020 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(250, 100, 233)` looks like.

```
.text, #text, p{  
    color:rgb(250, 100, 233)  
}
```

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(250, 100, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 100, 233) }
```

Border

The CSS property to change the border of an element to Yxy 35.3215, 0.3357, 0.2020 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(250, 100, 233) }
```

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

```
.border{ border-color:rgb(250, 100, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 100, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 100, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 100, 233);  
box-shadow:4px 4px 4px 4px rgb(250, 100,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3215, 0.3357, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 100, 233) }
```

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

```
.background{ background-color: rgb(250,  
100, 233) }
```

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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