

Converting Colors

$Y_{xy}(42.7058, 0.3397, 0.2017)$

Have a look what the booklet for
Yxy(42.7058, 0.3397, 0.2017)
contains.

Yxy(38.6599, 0.3209, 0.1935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.6599, 0.3209, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	FF6AFD
RGB	255, 106, 253
RGB Percent	100%, 42%, 99%
CMY	0.0002, 0.5841, 0.0078
CMYK	0.00, 0.58, 0.01, 0.00
HSL	301°, 100%, 71%
HSV	301°, 58%, 100%
XYZ	64.1135, 38.6599, 97.0194
YIQ	167.3090, 41.6170, 77.3050

Conversions

Conversions Part 2

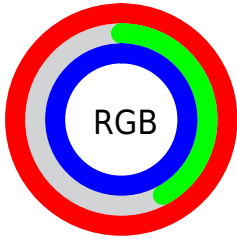
Format	Color
R _Y B	255, 106, 253
Decimal	16739069
CIE Lab	68.50, 74.26, -46.76
CIE LCh	69, 87.756, 327.804
Yxy	38.6599, 0.3209, 0.1935
Android (android.graphics.Color)	4294929149 (0xFFFF6AFD)
YUV	167.3090, 42.2457, 76.9050
Hunter-Lab	62.1771, 75.2492, -48.9905

Details

The Yxy color **38.6599, 0.3209, 0.1935** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.6438, 0.3031, 0.5164**, and the grayscale version is **38.5835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0309, 0.3169, 0.2403**, and **17.1735, 0.3191, 0.1648** is the 20% darker color. If you saturate the color by 10%, you get **34.1413, 0.3220, 0.1779**, and if you desaturate by 10%, it is **44.7437, 0.3196, 0.2128**.

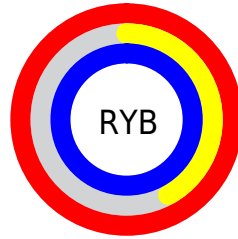
Distribution



Red (100%)

Green (42%)

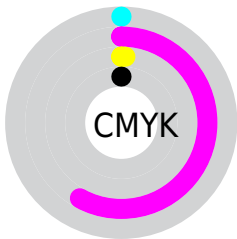
Blue (99%)



Red (100%)

Yellow (42%)

Blue (99%)

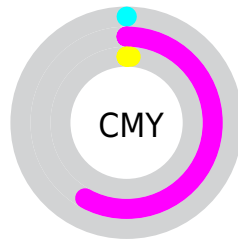


Cyan (0%)

Magenta (58%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6599, 0.3209, 0.1935 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 38.6599, 0.3209, 0.1935 by changing the saturation by 10% instead.


 38.6599, 0.3209,
0.1935


 38.6599, 0.3209,
0.1935


340.4424, 0.3200,
0.2538

 26.4953, 0.3204,
0.1806


 73.1185, 0.3212,
0.2138

 17.1945, 0.3194,
0.1652


 96.1812, 0.3211,
0.2219

 10.3733, 0.3175,
0.1465


 123.6454, 0.3210,
0.2289

 5.6471, 0.3141,
0.1238

155.8955, 0.3208,
0.2351

 2.6317, 0.3078,
0.0961

193.3158, 0.3206,
0.2406

 0.9426, 0.2957,
0.0630

236.2908, 0.3204,

 0.0000, 0.2789,

0.2455

0.0000

285.2048, 0.3202,
0.2498

0.0000, 0.2147,
0.0000

0.0000, 0.0000,
0.0000

38.6599, 0.3209,
0.1935

38.6599, 0.3209,
0.1935

34.1413, 0.3220,
0.1779

44.7437, 0.3196,
0.2128

31.0396, 0.3230,
0.1665

52.5130, 0.3182,
0.2349

29.1874, 0.3237,
0.1594

62.0824, 0.3167,
0.2589

28.3482, 0.3242,
0.1563

73.5548, 0.3153,
0.2837

 28.2567, 0.3243,
0.1560

 87.0257, 0.3139,
0.3086

99.9924, 0.3127,
0.3290

Harmonies

Analogous

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



38.6599, 0.2100, 0.1605



38.6599, 0.3209, 0.1935



38.6599, 0.4560, 0.2512

Triad

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



38.6599, 0.3209, 0.1935



38.6599, 0.4776, 0.4888



38.6599, 0.1234, 0.2666

Complementary

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



38.6599, 0.3209, 0.1935



75.6438, 0.3031, 0.5164

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.



38.6599, 0.1711, 0.4113



38.6599, 0.3209, 0.1935



38.6599, 0.3743, 0.5631

Square

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



38.6599, 0.3209, 0.1935



38.6599, 0.5476, 0.4010



38.6599, 0.2634, 0.5493



38.6599, 0.1171, 0.1860

Rectangle

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



38.6599, 0.3209, 0.1935



38.6599, 0.5260, 0.2979



38.6599, 0.2634, 0.5493



38.6599, 0.1341, 0.3084

Sweetspot

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



38.6617, 0.3209, 0.1935



74.0914, 0.3152, 0.2848



20.6009, 0.1986, 0.1404



15.0955, 0.3156, 0.2775



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.



38.6617, 0.3209, 0.1935



33.5684, 0.3222, 0.1758



34.8849, 0.3995, 0.2549



18.2960, 0.3140, 0.3059



14.7719, 0.3242, 0.1560



1.4396, 0.3238, 0.1557

Inverse Universe

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



38.6617, 0.3209, 0.1935



33.5684, 0.3222, 0.1758



77.8770, 0.2721, 0.4239



18.2960, 0.3140, 0.3059



14.7719, 0.3242, 0.1560



1.4396, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 38.6599, 0.3209, 0.1935 looks on a white background.

Color Contrast Check

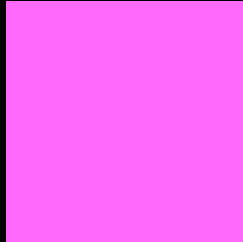
Large Text (above 18pt) WCAG AA × Fail

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 38.6599, 0.3209, 0.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

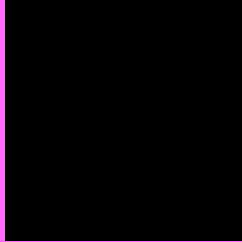
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6599, 0.3209, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 38.6599, 0.3209, 0.1935.



This preview shows how white text looks on a background with the Yxy color 38.6599, 0.3209, 0.1935.

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

38.6599, 0.3209, 0.1935

Protanopia

39.1168, 0.2284, 0.2170

Deuteranopia

38.9777, 0.2363, 0.2304



Tritanopia

38.2495, 0.4194, 0.3183

Trichromacy



Original Color

38.6599, 0.3209, 0.1935



Protanomaly

36.4494, 0.2544, 0.2016



Deuteranomaly

36.2456, 0.2603, 0.2081

Tritanomaly

37.6502, 0.3828, 0.2658

Monochromacy



Original Color

38.6599, 0.3209, 0.1935



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.4701, 0.3168, 0.2633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6599, 0.3209, 0.1935 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, 106, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 253)  
}
```

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, 106, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 253) }
```

Border

The CSS property to change the border of an element to Yxy 38.6599, 0.3209, 0.1935 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, 106, 253) }
```

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

```
.border{ border-color:rgb(255, 106, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6599, 0.3209, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 253) }
```

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

```
.background{ background-color: rgb(255,  
106, 253) }
```

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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