

Converting Colors

$Yxy(39.8706, 0.3190, 0.1957)$

Have a look what the booklet for
Yxy(39.8706, 0.3190, 0.1957)
contains.

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Color

Yxy(39.8489, 0.3190, 0.1956)

Conversions

Conversions Part 1

Format	Color
Hex	FF6FFF
RGB	255, 111, 255
RGB Percent	100%, 44%, 100%
CMY	0.0000, 0.5649, 0.0000
CMYK	0.00, 0.56, 0.00, 0.00
HSL	300°, 100%, 72%
HSV	300°, 56%, 100%
XYZ	64.9887, 39.8489, 98.8888
YIQ	170.4720, 39.6000, 75.3120

Conversions

Conversions Part 2

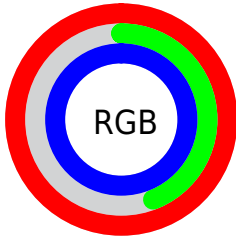
Format	Color
R _Y B	255, 111, 255
Decimal	16740351
CIE Lab	69.36, 72.55, -46.51
CIE LCh	69, 86.179, 327.339
Yxy	39.8489, 0.3190, 0.1956
Android (android.graphics.Color)	4294930431 (0xFFFF6FFF)
YUV	170.4720, 41.6723, 74.1311
Hunter-Lab	63.1260, 73.2968, -48.6915

Details

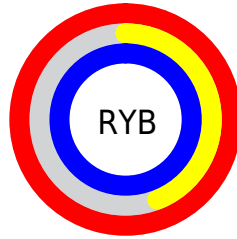
The Yxy color **39.8489, 0.3190, 0.1956** is a light color, and the websafe version is hex **FF66FF**, and the color name is **shocking pink (crayola)**. A complement of this color would be **76.0440, 0.3041, 0.5119**, and the grayscale version is **40.2074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **17.8759, 0.3165, 0.1674** is the 20% darker color. If you saturate the color by 10%, you get **35.0502, 0.3197, 0.1791**, and if you desaturate by 10%, it is **46.2191, 0.3180, 0.2157**.

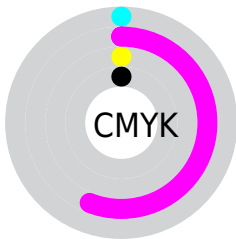
Distribution



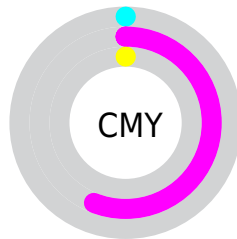
- Red (100%)
- Green (44%)
- Blue (100%)



- Red (100%)
- Yellow (44%)
- Blue (100%)



- Cyan (0%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8489, 0.3190, 0.1956 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 39.8489, 0.3190, 0.1956 by changing the saturation by 10% instead.


 39.8489, 0.3190,
0.1956


 39.8489, 0.3190,
0.1956

345.4863, 0.3189,
0.2549


 27.4208, 0.3183,
0.1829


 74.9334, 0.3195,
0.2155

 17.8895, 0.3171,
0.1678


 98.3585, 0.3196,
0.2234

 10.8707, 0.3151,
0.1495


 126.2180, 0.3195,
0.2304

 5.9799, 0.3115,
0.1271

158.8964, 0.3194,
0.2365

 2.8329, 0.3050,
0.0998

196.7781, 0.3193,
0.2419

 1.0451, 0.2929,
0.0669

240.2473, 0.3192,

 0.0000, 0.2774,

0.2467

0.0000

289.6886, 0.3190,
0.2510

0.0000, 0.2165,
0.0000

0.0000, 0.0000,
0.0000

39.8489, 0.3190,
0.1956

39.8489, 0.3190,
0.1956

35.0502, 0.3197,
0.1791

46.2191, 0.3180,
0.2157

31.7079, 0.3203,
0.1668

54.3077, 0.3170,
0.2384

29.6507, 0.3207,
0.1588

64.2175, 0.3158,
0.2628

28.6746, 0.3209,
0.1549

76.0500, 0.3146,
0.2880

■ 28.4800, 0.3209,
0.1542

■ 89.8991, 0.3135,
0.3131

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



39.8489, 0.2111, 0.1635



39.8489, 0.3190, 0.1956



39.8489, 0.4503, 0.2521

Triad

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



39.8489, 0.3190, 0.1956



39.8489, 0.4767, 0.4855



39.8489, 0.1277, 0.2705

Complementary

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



39.8489, 0.3190, 0.1956



76.0440, 0.3041, 0.5119

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.



39.8489, 0.1758, 0.4116



39.8489, 0.3190, 0.1956



39.8489, 0.3762, 0.5568

Square

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



39.8489, 0.3190, 0.1956



39.8489, 0.5433, 0.4000



39.8489, 0.2672, 0.5434



39.8489, 0.1205, 0.1902

Rectangle

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



39.8489, 0.3190, 0.1956



39.8489, 0.5192, 0.2982



39.8489, 0.2672, 0.5434



39.8489, 0.1386, 0.3116

Sweetspot

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



39.8408, 0.3190, 0.1956



75.3922, 0.3147, 0.2867



21.9580, 0.2026, 0.1469



15.5986, 0.3149, 0.2817



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.



39.8408, 0.3190, 0.1956



34.4544, 0.3199, 0.1770



36.0390, 0.3953, 0.2568



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



39.8408, 0.3190, 0.1956



34.4544, 0.3199, 0.1770



78.3153, 0.2728, 0.4202



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 39.8489, 0.3190, 0.1956 looks on a white background.

Color Contrast Check

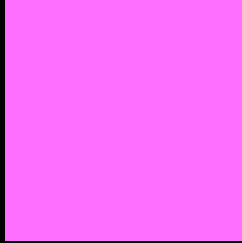
Large Text (above 18pt) WCAG AA × Fail

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 39.8489, 0.3190, 0.1956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

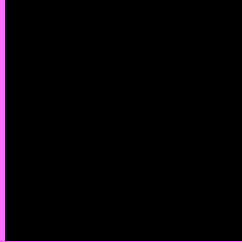
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8489, 0.3190, 0.1956

Background



This preview shows how black text looks on a background with the Yxy color 39.8489, 0.3190, 0.1956.



This preview shows how white text looks on a background with the Yxy color 39.8489, 0.3190, 0.1956.

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

39.8489, 0.3190, 0.1956

Protanopia

40.1758, 0.2312, 0.2201

Deuteranopia

40.0868, 0.2375, 0.2315



Tritanopia

39.5124, 0.4130, 0.3183

Trichromacy



Original Color

39.8489, 0.3190, 0.1956



Protanomaly

37.7907, 0.2564, 0.2048



Deuteranomaly

37.5307, 0.2610, 0.2102

Tritanomaly

39.1055, 0.3771, 0.2667

Monochromacy



Original Color

39.8489, 0.3190, 0.1956



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.1294, 0.3157, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8489, 0.3190, 0.1956 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, 111, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 255)  
}
```

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, 111, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.8489, 0.3190, 0.1956 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, 111, 255) }
```

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

```
.border{ border-color:rgb(255, 111, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8489, 0.3190, 0.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 255) }
```

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

```
.background{ background-color: rgb(255,  
111, 255) }
```

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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