

Converting Colors

$Y_{xy}(40.1771, 0.3229, 0.1996)$

Have a look what the booklet for
Yxy(40.1771, 0.3229, 0.1996)
contains.

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Color

Yxy(40.0985, 0.3216, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	FF71FC
RGB	255, 113, 252
RGB Percent	100%, 44%, 99%
CMY	0.0001, 0.5567, 0.0119
CMYK	0.00, 0.56, 0.01, 0.00
HSL	301°, 100%, 72%
HSV	301°, 56%, 100%
XYZ	64.7049, 40.0985, 96.3933
YIQ	171.3040, 40.0130, 73.3330

Conversions

Conversions Part 2

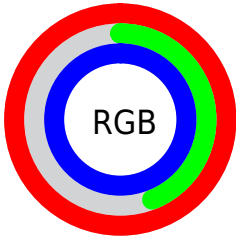
Format	Color
R _Y B	255, 113, 252
Decimal	16740860
CIE Lab	69.54, 71.14, -44.56
CIE LCh	70, 83.945, 327.940
Yxy	40.0985, 0.3216, 0.1993
Android (android.graphics.Color)	4294930940 (0xFFFF71FC)
YUV	171.3040, 39.7831, 73.4014
Hunter-Lab	63.3234, 71.5783, -45.9272

Details

The Yxy color **40.0985, 0.3216, 0.1993** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.2820, 0.3031, 0.5057**, and the grayscale version is **40.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **17.9982, 0.3201, 0.1715** is the 20% darker color. If you saturate the color by 10%, you get **35.1516, 0.3230, 0.1827**, and if you desaturate by 10%, it is **46.6470, 0.3200, 0.2194**.

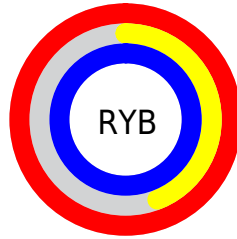
Distribution



Red (100%)

Green (44%)

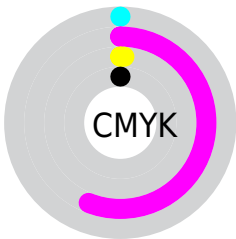
Blue (99%)



Red (100%)

Yellow (44%)

Blue (99%)

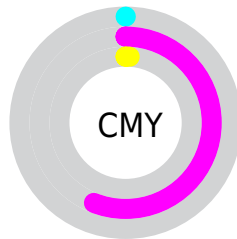


Cyan (0%)

Magenta (56%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0985, 0.3216, 0.1993 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 40.0985, 0.3216, 0.1993 by changing the saturation by 10% instead.


 40.0985, 0.3216,
0.1993


 40.0985, 0.3216,
0.1993

346.5386, 0.3201,
0.2572


 27.6154, 0.3213,
0.1869


 75.3135, 0.3216,
0.2188

 18.0359, 0.3206,
0.1719


 98.8141, 0.3214,
0.2266

 10.9758, 0.3192,
0.1538


 126.7560, 0.3212,
0.2333

 6.0505, 0.3164,
0.1316

159.5236, 0.3210,
0.2393

 2.8758, 0.3111,
0.1042

197.5012, 0.3208,
0.2445

 1.0673, 0.3006,
0.0709

241.0734, 0.3205,

 0.0000, 0.2884,

0.2492

0.0000

290.6243, 0.3203,
0.2534

■ 0.0000, 0.2278,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0985, 0.3216,
0.1993

■ 40.0985, 0.3216,
0.1993

■ 35.1516, 0.3230,
0.1827

■ 46.6470, 0.3200,
0.2194

■ 31.6631, 0.3243,
0.1701


■ 54.9133, 0.3184,
0.2420

■ 29.4742, 0.3253,
0.1620

■ 65.0091, 0.3167,
0.2661

■ 28.3857, 0.3261,
0.1580

■ 77.0353, 0.3151,
0.2909

 28.1306, 0.3264,
0.1572

 91.0852, 0.3136,
0.3154

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



40.0985, 0.2153, 0.1671



40.0985, 0.3216, 0.1993



40.0985, 0.4490, 0.2554

Triad

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



40.0985, 0.3216, 0.1993



40.0985, 0.4725, 0.4851



40.0985, 0.1311, 0.2705

Complementary

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



40.0985, 0.3216, 0.1993



76.2820, 0.3031, 0.5057

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.



40.0985, 0.1780, 0.4063



40.0985, 0.3216, 0.1993



40.0985, 0.3741, 0.5521

Square

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



40.0985, 0.3216, 0.1993



40.0985, 0.5376, 0.4017



40.0985, 0.2672, 0.5348



40.0985, 0.1244, 0.1926

Rectangle

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



40.0985, 0.3216, 0.1993



40.0985, 0.5152, 0.3010



40.0985, 0.2672, 0.5348



40.0985, 0.1417, 0.3101

Sweetspot

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



40.1003, 0.3216, 0.1993



75.3330, 0.3153, 0.2876



22.7092, 0.2057, 0.1503



15.5845, 0.3156, 0.2826



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.



40.1003, 0.3216, 0.1993



34.6123, 0.3232, 0.1807



36.4370, 0.3963, 0.2600



18.2933, 0.3141, 0.3061



14.7046, 0.3263, 0.1571



1.4338, 0.3256, 0.1568

Inverse Universe

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



40.1003, 0.3216, 0.1993



34.6123, 0.3232, 0.1807



78.5809, 0.2721, 0.4154



18.2933, 0.3141, 0.3061



14.7046, 0.3263, 0.1571



1.4338, 0.3256, 0.1568

Previews

White Background



This preview shows how the Yxy color 40.0985, 0.3216, 0.1993 looks on a white background.

Color Contrast Check

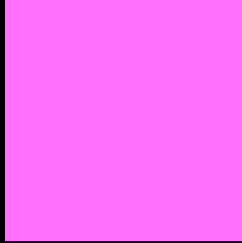
Large Text (above 18pt) WCAG AA × Fail

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 40.0985, 0.3216, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

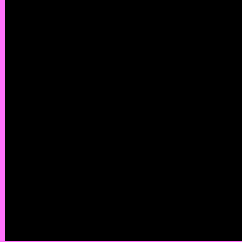
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0985, 0.3216, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 40.0985, 0.3216, 0.1993.



This preview shows how white text looks on a background with the Yxy color 40.0985, 0.3216, 0.1993.

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

40.0985, 0.3216, 0.1993

Protanopia

40.6285, 0.2320, 0.2216

Deuteranopia

40.2557, 0.2416, 0.2351



Tritanopia

40.0129, 0.4124, 0.3183

Trichromacy



Original Color

40.0985, 0.3216, 0.1993



Protanomaly

38.1593, 0.2579, 0.2070



Deuteranomaly

38.0240, 0.2654, 0.2147



Tritanomaly

39.3273, 0.3780, 0.2688

Monochromacy



Original Color

40.0985, 0.3216, 0.1993



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.5394, 0.3175, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0985, 0.3216, 0.1993 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, 113, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 252)  
}
```

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, 113, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 252) }
```

Border

The CSS property to change the border of an element to Yxy 40.0985, 0.3216, 0.1993 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, 113, 252) }
```

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

```
.border{ border-color:rgb(255, 113, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0985, 0.3216, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 252) }
```

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

```
.background{ background-color: rgb(255,  
113, 252) }
```

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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