

Converting Colors

$Y_{xy}(40.0079, 0.3326, 0.2106)$

Have a look what the booklet for
Yxy(40.0079, 0.3326, 0.2106)
contains.

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Color

Yxy(40.0421, 0.3325, 0.2106)

Conversions

Conversions Part 1

Format	Color
Hex	FF74F0
RGB	255, 116, 240
RGB Percent	100%, 45%, 94%
CMY	0.0000, 0.5451, 0.0586
CMYK	0.00, 0.55, 0.06, 0.00
HSL	306°, 100%, 73%
HSV	306°, 55%, 100%
XYZ	63.2194, 40.0421, 86.8720
YIQ	171.6970, 43.0400, 68.0320

Conversions

Conversions Part 2

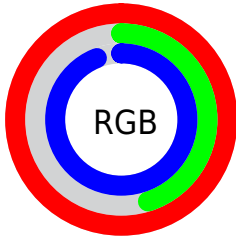
Format	Color
R_{YB}	255, 116, 240
Decimal	16741616
CIE _{Lab}	69.50, 67.92, -38.08
CIE _{LCh}	69, 77.872, 330.721
Yxy	40.0421, 0.3325, 0.2106
Android (android.graphics.Color)	4294931696 (0xFFFF74F0)
YUV	171.6970, 33.6734, 73.0567
Hunter-Lab	63.2788, 67.5943, -37.1007

Details

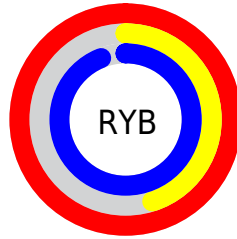
The Yxy color **40.0421, 0.3325, 0.2106** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **76.8698, 0.2983, 0.4873**, and the grayscale version is **40.9049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **17.9890, 0.3339, 0.1841** is the 20% darker color. If you saturate the color by 10%, you get **34.7883, 0.3368, 0.1944**, and if you desaturate by 10%, it is **46.9143, 0.3283, 0.2299**.

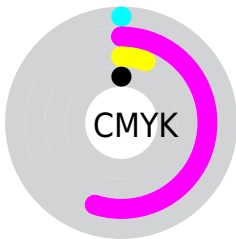
Distribution



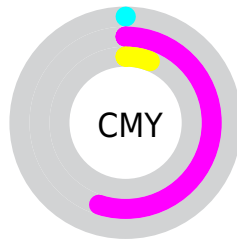
- Red (100%)
- Green (45%)
- Blue (94%)



- Red (100%)
- Yellow (45%)
- Blue (94%)



- Cyan (0%)
- Magenta (55%)
- Yellow (6%)
- Black (0%)




- Cyan (0%)
- Magenta (55%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0421, 0.3325, 0.2106 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 40.0421, 0.3325, 0.2106 by changing the saturation by 10% instead.


 40.0421, 0.3325,
0.2106


 40.0421, 0.3325,
0.2106


346.3010, 0.3251,
0.2643

 27.5714, 0.3337,
0.1988


 75.2276, 0.3303,
0.2289

 18.0028, 0.3349,
0.1846


 98.7112, 0.3293,
0.2361

 10.9520, 0.3360,
0.1670

 126.6345, 0.3285,
0.2424

 6.0346, 0.3367,
0.1452

159.3820, 0.3277,
0.2478

 2.8661, 0.3362,
0.1175

197.3379, 0.3269,
0.2527

 1.0622, 0.3326,
0.0826

240.8868, 0.3263,

 0.0000, 0.3342,

0.2570

0.0000

290.4131, 0.3257,
0.2608

■ 0.0000, 0.2742,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0421, 0.3325,
0.2106

■ 40.0421, 0.3325,
0.2106

■ 34.7883, 0.3368,
0.1944

■ 46.9143, 0.3283,
0.2299

■ 31.0128, 0.3410,
0.1821

■ 55.5206, 0.3242,
0.2513

■ 28.5597, 0.3450,
0.1743

■ 65.9712, 0.3205,
0.2739

■ 27.2354, 0.3487,
0.1710

■ 78.3661, 0.3170,
0.2967

■ 26.8377, 0.3506,
0.1705

■ 92.7980, 0.3140,
0.3192

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.



40.0421, 0.2292, 0.1773



40.0421, 0.3325, 0.2106



40.0421, 0.4497, 0.2662

Triad

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



40.0421, 0.3325, 0.2106



40.0421, 0.4583, 0.4861



40.0421, 0.1389, 0.2666

Complementary

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



40.0421, 0.3325, 0.2106



76.8698, 0.2983, 0.4873

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.



40.0421, 0.1810, 0.3880



40.0421, 0.3325, 0.2106



40.0421, 0.3643, 0.5400

Square

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



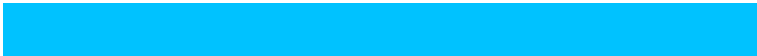
40.0421, 0.3325, 0.2106



40.0421, 0.5216, 0.4086



40.0421, 0.2632, 0.5102



40.0421, 0.1349, 0.1969

Rectangle

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



40.0421, 0.3325, 0.2106



40.0421, 0.5074, 0.3108



40.0421, 0.2632, 0.5102



40.0421, 0.1483, 0.3020

Sweetspot

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



40.0436, 0.3325, 0.2106



76.3950, 0.3175, 0.2934



24.4470, 0.2153, 0.1572



15.7838, 0.3182, 0.2887



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.



40.0436, 0.3325, 0.2106



34.5709, 0.3370, 0.1937



36.7126, 0.4077, 0.2727



18.2647, 0.3155, 0.3081



14.0368, 0.3501, 0.1702



1.3760, 0.3463, 0.1681

Inverse Universe

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



40.0436, 0.3325, 0.2106



34.5709, 0.3370, 0.1937



79.3746, 0.2673, 0.3979



18.2647, 0.3155, 0.3081



14.0368, 0.3501, 0.1702



1.3760, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 40.0421, 0.3325, 0.2106 looks on a white background.

Color Contrast Check

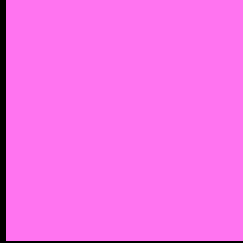
Large Text (above 18pt) WCAG AA × Fail

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 40.0421, 0.3325, 0.2106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

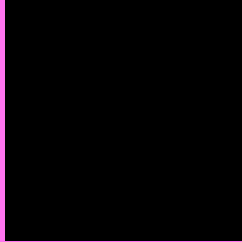
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0421, 0.3325, 0.2106

Background



This preview shows how black text looks on a background with the Yxy color 40.0421, 0.3325, 0.2106.



This preview shows how white text looks on a background with the Yxy color 40.0421, 0.3325, 0.2106.

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

40.0421, 0.3325, 0.2106

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4502, 0.2538, 0.2481



Tritanopia

40.0476, 0.4160, 0.3184

Trichromacy



Original Color

40.0421, 0.3325, 0.2106



Protanomaly

37.9057, 0.2604, 0.2105



Deuteranomaly

38.2542, 0.2779, 0.2282



Tritanomaly

39.7497, 0.3853, 0.2753

Monochromacy



Original Color

40.0421, 0.3325, 0.2106



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.0442, 0.3201, 0.2737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0421, 0.3325, 0.2106 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, 116, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 240)  
}
```

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, 116, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.0421, 0.3325, 0.2106 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, 116, 240) }
```

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

```
.border{ border-color:rgb(255, 116, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0421, 0.3325, 0.2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 240) }
```

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

```
.background{ background-color: rgb(255,  
116, 240) }
```

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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