

Converting Colors

$Y_{xy}(47.7662, 0.3354, 0.2055)$

Have a look what the booklet for
Yxy(47.7662, 0.3354, 0.2055)
contains.

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Color

Yxy(41.6737, 0.3187, 0.2016)

Conversions

Conversions Part 1

Format	Color
Hex	FF77FF
RGB	255, 119, 255
RGB Percent	100%, 47%, 100%
CMY	0.0001, 0.5332, 0.0001
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 73%
HSV	300°, 53%, 100%
XYZ	65.8800, 41.6737, 99.1611
YIQ	175.1680, 37.4000, 71.1280

Conversions

Conversions Part 2

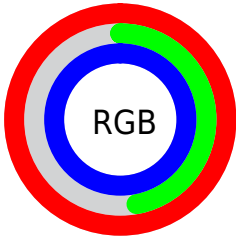
Format	Color
R _Y B	255, 119, 255
Decimal	16742399
CIE _{Lab}	70.65, 69.02, -44.47
CIE _{LCh}	71, 82.110, 327.206
Yxy	41.6737, 0.3187, 0.2016
Android (android.graphics.Color)	4294932479 (0xFFFF77FF)
YUV	175.1680, 39.3572, 70.0127
Hunter-Lab	64.5552, 69.1917, -45.8848

Details

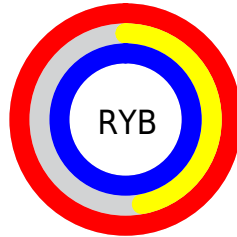
The Yxy color **41.6737, 0.3187, 0.2016** is a light color, and the websafe version is hex **FF66FF**, and the color name is **fuchsia pink**. A complement of this color would be **76.7679, 0.3047, 0.5008**, and the grayscale version is **42.7429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **18.9110, 0.3163, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **36.3973, 0.3195, 0.1839**, and if you desaturate by 10%, it is **48.5815, 0.3177, 0.2226**.

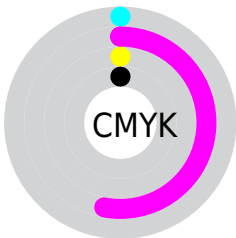
Distribution



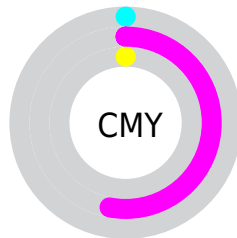
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6737, 0.3187, 0.2016 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 41.6737, 0.3187, 0.2016 by changing the saturation by 10% instead.


 41.6737, 0.3187,
0.2016

 41.6737, 0.3187,
0.2016


353.1285, 0.3185,
0.2583


 28.8459, 0.3181,
0.1894


 77.7055, 0.3191,
0.2207

 18.9643, 0.3171,
0.1749


 101.6784, 0.3191,
0.2283

 11.6445, 0.3153,
0.1572


 130.1349, 0.3191,
0.2349

 6.5021, 0.3121,
0.1355

163.4597, 0.3190,
0.2407

 3.1527, 0.3063,
0.1086

202.0371, 0.3189,
0.2459

 1.2120, 0.2955,
0.0758

246.2514, 0.3188,

 0.0714, 0.2819,

0.2504

0.0095

296.4871, 0.3186,
0.2546

■ 0.0000, 0.2273,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6737, 0.3187,
0.2016

■ 41.6737, 0.3187,
0.2016

■ 36.3973, 0.3195,
0.1839

■ 48.5815, 0.3177,
0.2226

■ 32.6135, 0.3202,
0.1702

■ 57.2339, 0.3166,
0.2460


■ 30.1695, 0.3206,
0.1609

■ 67.7402, 0.3155,
0.2708

■ 28.8776, 0.3209,
0.1558

■ 80.1994, 0.3143,
0.2960

 28.4757, 0.3209,
0.1542

 94.7035, 0.3131,
0.3209

99.9967, 0.3127,
0.3290

99.9968, 0.3127,
0.3290

99.9969, 0.3127,
0.3290

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



41.6737, 0.2162, 0.1706



41.6737, 0.3187, 0.2016



41.6737, 0.4418, 0.2562

Triad

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



41.6737, 0.3187, 0.2016



41.6737, 0.4715, 0.4805



41.6737, 0.1364, 0.2756

Complementary

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



41.6737, 0.3187, 0.2016



76.7679, 0.3047, 0.5008

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.



41.6737, 0.1840, 0.4073



41.6737, 0.3187, 0.2016



41.6737, 0.3765, 0.5443

Square

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



41.6737, 0.3187, 0.2016



41.6737, 0.5325, 0.3998



41.6737, 0.2721, 0.5285



41.6737, 0.1286, 0.1979

Rectangle

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



41.6737, 0.3187, 0.2016



41.6737, 0.5067, 0.3009



41.6737, 0.2721, 0.5285



41.6737, 0.1474, 0.3145

Sweetspot

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



41.6756, 0.3187, 0.2016



76.6743, 0.3146, 0.2893



24.3422, 0.2092, 0.1579



15.8512, 0.3148, 0.2841



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.



41.6756, 0.3187, 0.2016



36.0991, 0.3196, 0.1828



38.0450, 0.3885, 0.2602



18.3004, 0.3138, 0.3056



14.8809, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Inverse Universe

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



41.6756, 0.3187, 0.2016



36.0991, 0.3196, 0.1828



79.0233, 0.2742, 0.4140



18.3004, 0.3138, 0.3056



14.8809, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 41.6737, 0.3187, 0.2016 looks on a white background.

Color Contrast Check

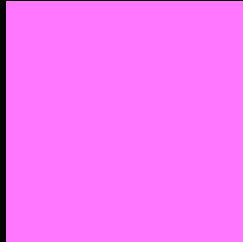
Large Text (above 18pt) WCAG AA × Fail

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 41.6737, 0.3187, 0.2016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

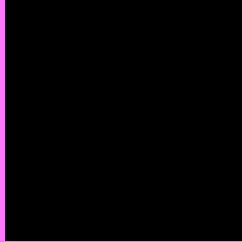
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6737, 0.3187, 0.2016

Background



This preview shows how black text looks on a background with the Yxy color 41.6737, 0.3187, 0.2016.



This preview shows how white text looks on a background with the Yxy color 41.6737, 0.3187, 0.2016.

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

41.6737, 0.3187, 0.2016

Protanopia

42.1855, 0.2355, 0.2261

Deuteranopia

41.8906, 0.2419, 0.2354



Tritanopia

41.3678, 0.4052, 0.3172

Trichromacy



Original Color

41.6737, 0.3187, 0.2016



Protanomaly

39.8668, 0.2600, 0.2113



Deuteranomaly

39.7351, 0.2654, 0.2171

Tritanomaly

40.8637, 0.3725, 0.2697

Monochromacy



Original Color

41.6737, 0.3187, 0.2016



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.6397, 0.3155, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6737, 0.3187, 0.2016 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, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 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, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.6737, 0.3187, 0.2016 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, 119, 255) }
```

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

```
.border{ border-color:rgb(255, 119, 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, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6737, 0.3187, 0.2016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 255) }
```

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

```
.background{ background-color: rgb(255,  
119, 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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