

Converting Colors

$Y_{xy}(50.2390, 0.3963, 0.2283)$

Have a look what the booklet for
Yxy(50.2390, 0.3963, 0.2283)
contains.

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Color

Yxy(36.7033, 0.3394, 0.2047)

Conversions

Conversions Part 1

Format	Color
Hex	FF66EA
RGB	255, 102, 234
RGB Percent	100%, 40%, 92%
CMY	0.0000, 0.6001, 0.0822
CMYK	0.00, 0.60, 0.08, 0.00
HSL	308°, 100%, 70%
HSV	308°, 60%, 100%
XYZ	60.8554, 36.7033, 81.7442
YIQ	162.7950, 48.8160, 73.4880

Conversions

Conversions Part 2

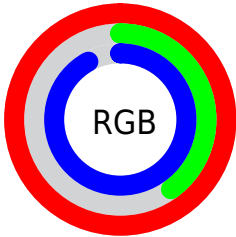
Format	Color
R _Y B	255, 102, 234
Decimal	16738026
CIE Lab	67.05, 72.96, -38.58
CIE LCh	67, 82.527, 332.132
Yxy	36.7033, 0.3394, 0.2047
Android (android.graphics.Color)	4294928106 (0xFFFF66EA)
YUV	162.7950, 35.1041, 80.8638
Hunter-Lab	60.5832, 73.2812, -37.5909

Details

The Yxy color **36.7033, 0.3394, 0.2047** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.7712, 0.2956, 0.4999**, and the grayscale version is **36.3300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **16.0782, 0.3432, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **32.2370, 0.3447, 0.1909**, and if you desaturate by 10%, it is **42.7049, 0.3341, 0.2220**.

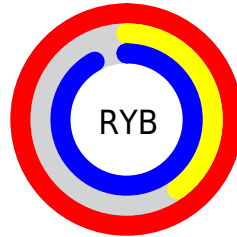
Distribution



Red (100%)

Green (40%)

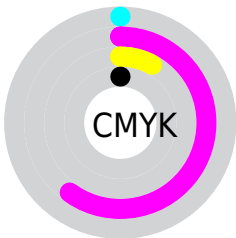
Blue (92%)



Red (100%)

Yellow (40%)

Blue (92%)

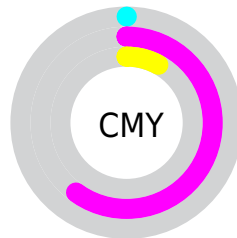


Cyan (0%)

Magenta (60%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7033, 0.3394, 0.2047 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 36.7033, 0.3394, 0.2047 by changing the saturation by 10% instead.


 36.7033, 0.3394,
0.2047


 36.7033, 0.3394,
0.2047


332.0242, 0.3287,
0.2614

 24.9779, 0.3413,
0.1922


 70.1162, 0.3361,
0.2241


 16.0606, 0.3435,
0.1771


 92.5725, 0.3347,
0.2317

 9.5670, 0.3457,
0.1585


 119.3745, 0.3334,
0.2383

 5.1128, 0.3477,
0.1353

 150.9066, 0.3323,
0.2441

 2.3136, 0.3488,
0.1062

187.5532, 0.3312,
0.2492

 0.7809, 0.3471,
0.0696

229.6988, 0.3303,

 0.0000, 0.3460,

0.2537

0.0000

277.7276, 0.3295,
0.2578

■ 0.0000, 0.2675,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7033, 0.3394,
0.2047

■ 36.7033, 0.3394,
0.2047

■ 32.2370, 0.3447,
0.1909

■ 42.7049, 0.3341,
0.2220

■ 29.1734, 0.3500,
0.1814

■ 50.3837, 0.3290,
0.2420

■ 27.3330, 0.3550,
0.1764

■ 59.8497, 0.3242,
0.2634

■ 26.4307, 0.3597,
0.1755

■ 71.2077, 0.3199,
0.2856

84.5539, 0.3161,
0.3076

99.9784, 0.3127,
0.3290

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.



36.7033, 0.2267, 0.1686



36.7033, 0.3394, 0.2047



36.7033, 0.4670, 0.2638

Triad

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



36.7033, 0.3394, 0.2047



36.7033, 0.4610, 0.4977



36.7033, 0.1263, 0.2549

Complementary

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



36.7033, 0.3394, 0.2047



75.7712, 0.2956, 0.4999

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.



36.7033, 0.1671, 0.3856



36.7033, 0.3394, 0.2047



36.7033, 0.3590, 0.5593

Square

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



36.7033, 0.3394, 0.2047



36.7033, 0.5338, 0.4131



36.7033, 0.2519, 0.5251



36.7033, 0.1246, 0.1845

Rectangle

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



36.7033, 0.3394, 0.2047



36.7033, 0.5274, 0.3105



36.7033, 0.2519, 0.5251



36.7033, 0.1350, 0.2919

Sweetspot

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



36.6986, 0.3394, 0.2047



73.7316, 0.3191, 0.2901



20.8809, 0.2075, 0.1404



15.0063, 0.3203, 0.2836



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.



36.6986, 0.3394, 0.2047



31.5221, 0.3458, 0.1887



33.2275, 0.4296, 0.2736



18.2550, 0.3159, 0.3087



13.8272, 0.3589, 0.1751



1.3576, 0.3539, 0.1723

Inverse Universe

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



36.6986, 0.3394, 0.2047



31.5221, 0.3458, 0.1887



78.4611, 0.2624, 0.3995



18.2550, 0.3159, 0.3087



13.8272, 0.3589, 0.1751



1.3576, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 36.7033, 0.3394, 0.2047 looks on a white background.

Color Contrast Check

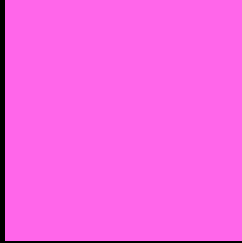
Large Text (above 18pt) WCAG AA × Fail

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 36.7033, 0.3394, 0.2047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

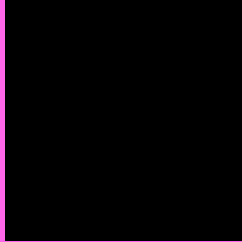
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7033, 0.3394, 0.2047

Background



This preview shows how black text looks on a background with the Yxy color 36.7033, 0.3394, 0.2047.



This preview shows how white text looks on a background with the Yxy color 36.7033, 0.3394, 0.2047.

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

36.7033, 0.3394, 0.2047

Protanopia

37.2989, 0.2246, 0.2111

Deuteranopia

36.8008, 0.2511, 0.2451



Tritanopia

36.4776, 0.4341, 0.3197

Trichromacy



Original Color

36.7033, 0.3394, 0.2047



Protanomaly

34.4702, 0.2559, 0.2022



Deuteranomaly

34.5480, 0.2775, 0.2222



Tritanomaly

36.1287, 0.3993, 0.2735

Monochromacy



Original Color

36.7033, 0.3394, 0.2047



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.4596, 0.3227, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7033, 0.3394, 0.2047 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, 102, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 234)  
}
```

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, 102, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 234) }
```

Border

The CSS property to change the border of an element to Yxy 36.7033, 0.3394, 0.2047 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, 102, 234) }
```

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

```
.border{ border-color:rgb(255, 102, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7033, 0.3394, 0.2047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 234) }
```

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

```
.background{ background-color: rgb(255,  
102, 234) }
```

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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