

Converting Colors

$Y_{xy}(48.8762, 0.3701, 0.2293)$

Have a look what the booklet for
Yxy(48.8762, 0.3701, 0.2293)
contains.

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Color

Yxy(40.8074, 0.3351, 0.2162)

Conversions

Conversions Part 1

Format	Color
Hex	FF78ED
RGB	255, 120, 237
RGB Percent	100%, 47%, 93%
CMY	0.0000, 0.5295, 0.0704
CMYK	0.00, 0.53, 0.07, 0.00
HSL	308°, 100%, 74%
HSV	308°, 53%, 100%
XYZ	63.2496, 40.8074, 84.6914
YIQ	173.7030, 42.9030, 65.0070

Conversions

Conversions Part 2

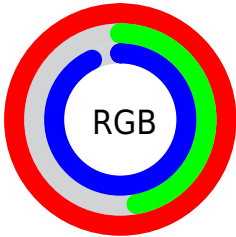
Format	Color
R _Y B	255, 120, 237
Decimal	16742637
CIE Lab	70.04, 65.66, -35.59
CIE LCh	70, 74.683, 331.544
Yxy	40.8074, 0.3351, 0.2162
Android (android.graphics.Color)	4294932717 (0xFFFF78ED)
YUV	173.7030, 31.2054, 71.2975
Hunter-Lab	63.8807, 64.9454, -33.8887

Details

The Yxy color **40.8074, 0.3351, 0.2162** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3460, 0.2971, 0.4779**, and the grayscale version is **41.9862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9243, 0.3163, 0.2527**, and **18.5172, 0.3388, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **35.2729, 0.3403, 0.1998**, and if you desaturate by 10%, it is **47.9777, 0.3301, 0.2355**.

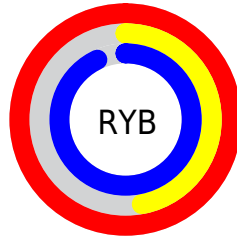
Distribution



Red (100%)

Green (47%)

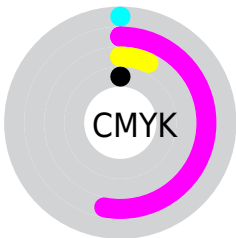
Blue (93%)



Red (100%)

Yellow (47%)

Blue (93%)

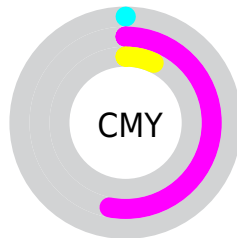


Cyan (0%)

Magenta (53%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8074, 0.3351, 0.2162 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 40.8074, 0.3351, 0.2162 by changing the saturation by 10% instead.


 40.8074, 0.3351,
0.2162


 40.8074, 0.3351,
0.2162


349.5150, 0.3262,
0.2675

 28.1686, 0.3367,
0.2048


 76.3914, 0.3323,
0.2337

 18.4528, 0.3385,
0.1911


 100.1055, 0.3312,
0.2407

 11.2756, 0.3404,
0.1741


 128.2801, 0.3301,
0.2466

 6.2525, 0.3422,
0.1527

161.2996, 0.3292,
0.2519

 2.9992, 0.3433,
0.1254

199.5485, 0.3283,
0.2565

 1.1313, 0.3423,
0.0904

243.4111, 0.3275,

 0.0045, 0.3508,

0.2606

0.0009

293.2718, 0.3268,
0.2643

0.0000, 0.2952,
0.0000

0.0000, 0.0000,
0.0000

40.8074, 0.3351,
0.2162

40.8074, 0.3351,
0.2162

35.2729, 0.3403,
0.1998

47.9777, 0.3301,
0.2355

31.2423, 0.3455,
0.1871

56.9029, 0.3253,
0.2567

28.5618, 0.3505,
0.1789

67.6899, 0.3210,
0.2789

27.0451, 0.3553,
0.1752

80.4375, 0.3171,
0.3011

 26.4843, 0.3584,
0.1748

 95.2374, 0.3136,
0.3228

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.



40.8074, 0.2350, 0.1831



40.8074, 0.3351, 0.2162



40.8074, 0.4462, 0.2708

Triad

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



40.8074, 0.3351, 0.2162



40.8074, 0.4520, 0.4834



40.8074, 0.1446, 0.2677

Complementary

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



40.8074, 0.3351, 0.2162



77.3460, 0.2971, 0.4779

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.



40.8074, 0.1850, 0.3820



40.8074, 0.3351, 0.2162



40.8074, 0.3614, 0.5310

Square

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



40.8074, 0.3351, 0.2162



40.8074, 0.5128, 0.4099



40.8074, 0.2638, 0.4980



40.8074, 0.1413, 0.2012

Rectangle

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



40.8074, 0.3351, 0.2162



40.8074, 0.5002, 0.3144



40.8074, 0.2638, 0.4980



40.8074, 0.1536, 0.3011

Sweetspot

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



40.8071, 0.3351, 0.2162



76.3297, 0.3182, 0.2943



25.8631, 0.2200, 0.1632



15.7681, 0.3190, 0.2898



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.



40.8071, 0.3351, 0.2162



34.7792, 0.3408, 0.1982



37.6592, 0.4063, 0.2763



18.2563, 0.3158, 0.3086



13.8548, 0.3577, 0.1744



1.3600, 0.3529, 0.1718

Inverse Universe

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



40.8071, 0.3351, 0.2162



34.7792, 0.3408, 0.1982



79.8359, 0.2671, 0.3926



18.2563, 0.3158, 0.3086



13.8548, 0.3577, 0.1744



1.3600, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 40.8074, 0.3351, 0.2162 looks on a white background.

Color Contrast Check

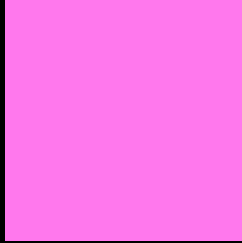
Large Text (above 18pt) WCAG AA × Fail

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 40.8074, 0.3351, 0.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

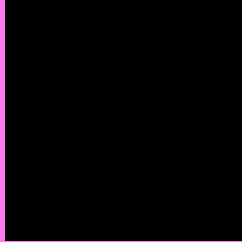
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8074, 0.3351, 0.2162

Background



This preview shows how black text looks on a background with the Yxy color 40.8074, 0.3351, 0.2162.



This preview shows how white text looks on a background with the Yxy color 40.8074, 0.3351, 0.2162.

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

40.8074, 0.3351, 0.2162

Protanopia

41.2587, 0.2339, 0.2233

Deuteranopia

41.1010, 0.2579, 0.2522



Tritanopia

40.6966, 0.4128, 0.3184

Trichromacy



Original Color

40.8074, 0.3351, 0.2162



Protanomaly

38.8556, 0.2628, 0.2159



Deuteranomaly

39.1659, 0.2821, 0.2332



Tritanomaly

40.2922, 0.3848, 0.2773

Monochromacy



Original Color

40.8074, 0.3351, 0.2162



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

39.8389, 0.3209, 0.2763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8074, 0.3351, 0.2162 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, 120, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 237)  
}
```

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, 120, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 237) }
```

Border

The CSS property to change the border of an element to Yxy 40.8074, 0.3351, 0.2162 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, 120, 237) }
```

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

```
.border{ border-color:rgb(255, 120, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8074, 0.3351, 0.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 237) }
```

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

```
.background{ background-color: rgb(255,  
120, 237) }
```

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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