

Converting Colors

$Y_{xy}(47.3601, 0.3348, 0.2391)$

Have a look what the booklet for
Yxy(47.3601, 0.3348, 0.2391)
contains.

Yxy(47.2047, 0.3350, 0.2389)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2047, 0.3350, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	FF90EB
RGB	255, 144, 235
RGB Percent	100%, 56%, 92%
CMY	0.0002, 0.4351, 0.0786
CMYK	0.00, 0.44, 0.08, 0.00
HSL	311°, 100%, 78%
HSV	311°, 44%, 100%
XYZ	66.1933, 47.2047, 84.1939
YIQ	187.5630, 36.9450, 51.8330

Conversions

Conversions Part 2

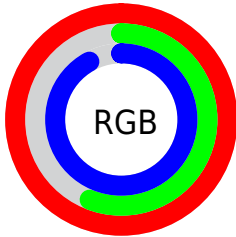
Format	Color
RYB	255, 144, 235
Decimal	16748779
CIELab	74.32, 53.88, -27.85
CIElCh	74, 60.653, 332.671
Yxy	47.2047, 0.3350, 0.2389
Android (android.graphics.Color)	4294938859 (0xFFFF90EB)
YUV	187.5630, 23.3864, 59.1422
Hunter-Lab	68.7057, 51.7378, -24.5617

Details

The Yxy color **47.2047, 0.3350, 0.2389** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.1084, 0.2968, 0.4406**, and the grayscale version is **49.8817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **22.3028, 0.3388, 0.2187** is the 20% darker color. If you saturate the color by 10%, you get **40.0715, 0.3417, 0.2204**, and if you desaturate by 10%, it is **56.0930, 0.3288, 0.2592**.

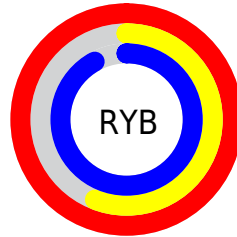
Distribution



Red (100%)

Green (56%)

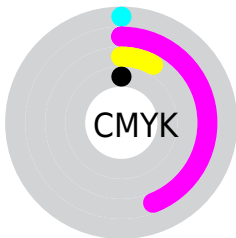
Blue (92%)



Red (100%)

Yellow (56%)

Blue (92%)

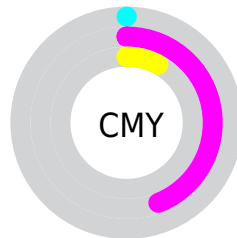


Cyan (0%)

Magenta (44%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (44%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2047, 0.3350, 0.2389 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 47.2047, 0.3350, 0.2389 by changing the saturation by 10% instead.

 47.2047, 0.3350,
0.2389


 47.2047, 0.3350,
0.2389


375.6310, 0.3255,
0.2801

 33.1975, 0.3370,
0.2297


 86.0191, 0.3319,
0.2530

 22.2778, 0.3392,
0.2185


 111.5951, 0.3306,
0.2586

 14.0612, 0.3419,
0.2045


141.7961, 0.3295,
0.2634

 8.1632, 0.3451,
0.1866

177.0066, 0.3285,
0.2676

 4.1996, 0.3487,
0.1632

217.6110, 0.3276,
0.2712

 1.7858, 0.3524,
0.1316

263.9936, 0.3268,

 0.4783, 0.3579,

0.2745

316.5388, 0.3261,
0.2774

0.0795

0.0000, 0.3568,
0.0000

0.0000, 0.0000,
0.0000

47.2047, 0.3350,
0.2389

47.2047, 0.3350,
0.2389

40.0715, 0.3417,
0.2204

56.0930, 0.3288,
0.2592

34.5679, 0.3486,
0.2048

66.8376, 0.3233,
0.2803

30.5625, 0.3558,
0.1930

79.5398, 0.3184,
0.3014

27.9003, 0.3628,
0.1856

94.2918, 0.3141,
0.3220

■ 26.3926, 0.3695,
0.1830

99.9923, 0.3127,
0.3290

■ 25.8560, 0.3737,
0.1832

Harmonies

Analogous

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



47.2047, 0.2544, 0.2101



47.2047, 0.3350, 0.2389



47.2047, 0.4194, 0.2859

Triad

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



47.2047, 0.3350, 0.2389



47.2047, 0.4269, 0.4591



47.2047, 0.1754, 0.2814

Complementary

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



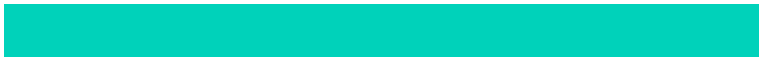
47.2047, 0.3350, 0.2389



80.1084, 0.2968, 0.4406

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.



47.2047, 0.2103, 0.3675



47.2047, 0.3350, 0.2389



47.2047, 0.3543, 0.4852

Square

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



47.2047, 0.3350, 0.2389



47.2047, 0.4727, 0.4042



47.2047, 0.2750, 0.4523



47.2047, 0.1723, 0.2264

Rectangle

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



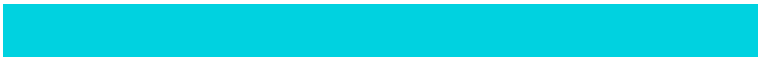
47.2047, 0.3350, 0.2389



47.2047, 0.4602, 0.3236



47.2047, 0.2750, 0.4523



47.2047, 0.1834, 0.3074

Sweetspot

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



47.2069, 0.3350, 0.2389



80.2640, 0.3181, 0.3025



34.9123, 0.2431, 0.1973



16.5375, 0.3192, 0.2978



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.



47.2069, 0.3350, 0.2389



41.0526, 0.3406, 0.2231



44.5474, 0.3885, 0.2906



18.2409, 0.3166, 0.3097



13.5356, 0.3726, 0.1826



1.3319, 0.3657, 0.1788

Inverse Universe

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



47.2069, 0.3350, 0.2389



41.0526, 0.3406, 0.2231



82.4881, 0.2705, 0.3724



18.2409, 0.3166, 0.3097



13.5356, 0.3726, 0.1826



1.3319, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 47.2047, 0.3350, 0.2389 looks on a white background.

Color Contrast Check

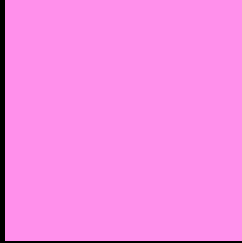
Large Text (above 18pt) WCAG AA × Fail

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 47.2047, 0.3350, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

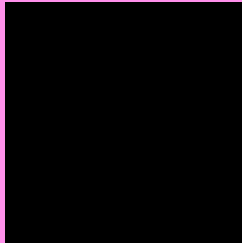
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2047, 0.3350, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 47.2047, 0.3350, 0.2389.



This preview shows how white text looks on a background with the Yxy color 47.2047, 0.3350, 0.2389.

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

47.2047, 0.3350, 0.2389

Protanopia

47.7413, 0.2478, 0.2411

Deuteranopia

47.3623, 0.2752, 0.2680



Tritanopia

47.1302, 0.3881, 0.3162

Trichromacy



Original Color

47.2047, 0.3350, 0.2389



Protanomaly

46.3847, 0.2744, 0.2381



Deuteranomaly

46.1638, 0.2951, 0.2545



Tritanomaly

47.0015, 0.3682, 0.2858

Monochromacy



Original Color

47.2047, 0.3350, 0.2389



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

47.9099, 0.3207, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2047, 0.3350, 0.2389 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, 144, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 235)  
}
```

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, 144, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.2047, 0.3350, 0.2389 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, 144, 235) }
```

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

```
.border{ border-color:rgb(255, 144, 235) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2047, 0.3350, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 235) }
```

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

```
.background{ background-color: rgb(255,  
144, 235) }
```

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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