

Converting Colors

$Y_{xy}(72.1594, 0.4112, 0.2748)$

Have a look what the booklet for
Yxy(72.1594, 0.4112, 0.2748)
contains.

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Color

Yxy(51.3709, 0.3390, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EE5
RGB	255, 158, 229
RGB Percent	100%, 62%, 90%
CMY	0.0000, 0.3805, 0.1019
CMYK	0.00, 0.38, 0.10, 0.00
HSL	316°, 100%, 81%
HSV	316°, 38%, 100%
XYZ	67.6300, 51.3709, 80.4977
YIQ	195.0970, 35.0210, 42.6450

Conversions

Conversions Part 2

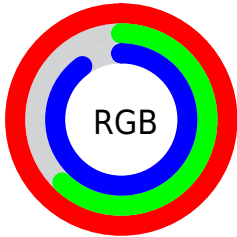
Format	Color
R _Y B	255, 158, 229
Decimal	16752357
CIE Lab	76.90, 45.93, -20.67
CIE LCh	77, 50.369, 335.777
Yxy	51.3709, 0.3390, 0.2575
Android (android.graphics.Color)	4294942437 (0xFFFF9EE5)
YUV	195.0970, 16.7142, 52.5349
Hunter-Lab	71.6735, 43.0013, -16.4181

Details

The Yxy color **51.3709, 0.3390, 0.2575** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.2439, 0.2942, 0.4136**, and the grayscale version is **54.5054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.7881, 0.3457, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **43.1739, 0.3483, 0.2396**, and if you desaturate by 10%, it is **61.3672, 0.3306, 0.2765**.

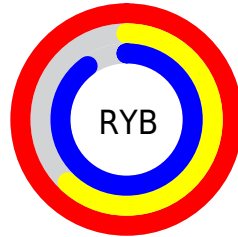
Distribution



Red (100%)

Green (62%)

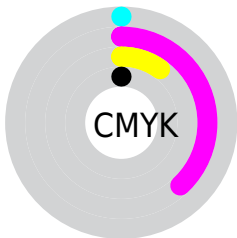
Blue (90%)



Red (100%)

Yellow (62%)

Blue (90%)

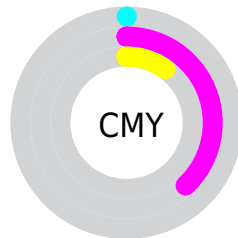


Cyan (0%)

Magenta (38%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3709, 0.3390, 0.2575 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 51.3709, 0.3390, 0.2575 by changing the saturation by 10% instead.


 51.3709, 0.3390,
0.2575

 51.3709, 0.3390,
0.2575

392.0031, 0.3271,
0.2904

 36.5039, 0.3416,
0.2501

 92.2028, 0.3349,
0.2688

 24.8236, 0.3448,
0.2410


 118.9364, 0.3333,
0.2733

 15.9457, 0.3488,
0.2295


150.3944, 0.3320,
0.2771

 9.4857, 0.3539,
0.2147

186.9611, 0.3307,
0.2804

 5.0593, 0.3605,
0.1950

229.0210, 0.3297,
0.2834

 2.2821, 0.3694,
0.1675

276.9583, 0.3287,

 0.7642, 0.3818,

0.2860

0.1268

331.1575, 0.3279,
0.2883

0.0000, 0.4251,
0.0000

0.0000, 0.0000,
0.0000

51.3709, 0.3390,
0.2575

51.3709, 0.3390,
0.2575

43.1739, 0.3483,
0.2396

61.3672, 0.3306,
0.2765

36.6939, 0.3585,
0.2237

73.2961, 0.3233,
0.2956

31.7955, 0.3694,
0.2110

87.2426, 0.3171,
0.3144

28.3362, 0.3806,
0.2024

100.0000, 0.3127,
0.3290

■ 26.1477, 0.3918,
0.1987

■ 25.0016, 0.4025,
0.1997

■ 24.8367, 0.4046,
0.2002

Harmonies

Analogous

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



51.3709, 0.2717, 0.2310



51.3709, 0.3390, 0.2575



51.3709, 0.4050, 0.2992

Triad

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



51.3709, 0.3390, 0.2575



51.3709, 0.4033, 0.4409



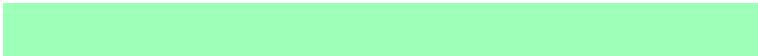
51.3709, 0.1969, 0.2861

Complementary

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



51.3709, 0.3390, 0.2575



82.2439, 0.2942, 0.4136

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.



51.3709, 0.2247, 0.3531



51.3709, 0.3390, 0.2575



51.3709, 0.3427, 0.4533

Square

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



51.3709, 0.3390, 0.2575



51.3709, 0.4421, 0.3999



51.3709, 0.2772, 0.4204



51.3709, 0.1963, 0.2421

Rectangle

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



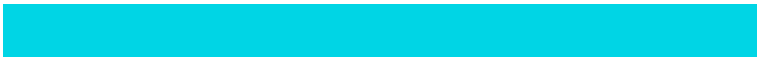
51.3709, 0.3390, 0.2575



51.3709, 0.4354, 0.3320



51.3709, 0.2772, 0.4204



51.3709, 0.2032, 0.3066

Sweetspot

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



51.3608, 0.3389, 0.2575



82.9166, 0.3188, 0.3090



41.8331, 0.2606, 0.2180



17.3347, 0.3196, 0.3064



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.



51.3608, 0.3389, 0.2575



44.7111, 0.3463, 0.2431



49.0224, 0.3848, 0.3054



18.2125, 0.3179, 0.3118



13.0039, 0.4029, 0.1993



1.2843, 0.3914, 0.1930

Inverse Universe

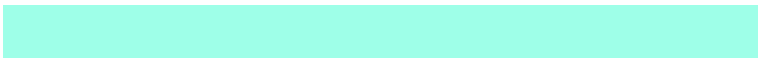
The Inverse Universe completely reimagines the original color for something new.



51.3608, 0.3389, 0.2575



44.7111, 0.3463, 0.2431



84.6323, 0.2701, 0.3546



18.2125, 0.3179, 0.3118



13.0039, 0.4029, 0.1993



1.2843, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 51.3709, 0.3390, 0.2575 looks on a white background.

Color Contrast Check

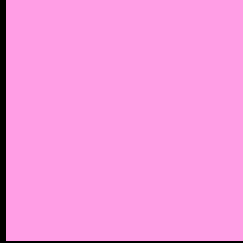
Large Text (above 18pt) WCAG AA × Fail

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 51.3709, 0.3390, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

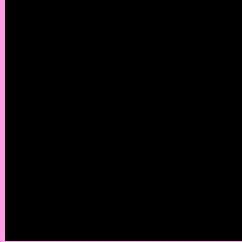
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3709, 0.3390, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 51.3709, 0.3390, 0.2575.



This preview shows how white text looks on a background with the Yxy color 51.3709, 0.3390, 0.2575.

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

51.3709, 0.3390, 0.2575

Protanopia

51.7528, 0.2599, 0.2563

Deuteranopia

51.7061, 0.2896, 0.2838



Tritanopia

51.4403, 0.3770, 0.3163

Trichromacy



Original Color

51.3709, 0.3390, 0.2575



Protanomaly

50.5516, 0.2851, 0.2557



Deuteranomaly

50.9887, 0.3062, 0.2726



Tritanomaly

51.1374, 0.3628, 0.2933

Monochromacy



Original Color

51.3709, 0.3390, 0.2575



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.7126, 0.3225, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3709, 0.3390, 0.2575 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, 158, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 229)  
}
```

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, 158, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 229) }
```

Border

The CSS property to change the border of an element to Yxy 51.3709, 0.3390, 0.2575 is called "border". The border property can be set on classes, ids or directly on the HTML element.

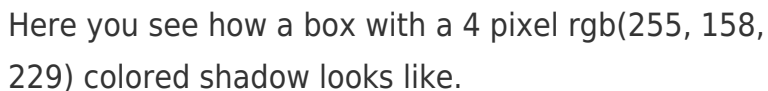
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 158, 229) }
```

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

```
.border{ border-color:rgb(255, 158, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 158, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 158, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 158, 229); box-shadow:4px 4px 4px 4px rgb(255, 158, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3709, 0.3390, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 229) }
```

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

```
.background{ background-color: rgb(255,  
158, 229) }
```

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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