

Converting Colors

Yxy(51.7333, 0.3398, 0.2598)

Have a look what the booklet for
Yxy(51.7333, 0.3398, 0.2598)
contains.

Yxy(51.6577, 0.3397, 0.2595)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.6577, 0.3397, 0.2595)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FE4
RGB	255, 159, 228
RGB Percent	100%, 62%, 89%
CMY	0.0002, 0.3763, 0.1060
CMYK	0.00, 0.38, 0.11, 0.00
HSL	317°, 100%, 81%
HSV	317°, 38%, 100%
XYZ	67.6228, 51.6577, 79.7858
YIQ	195.5700, 35.0670, 41.8110

Conversions

Conversions Part 2

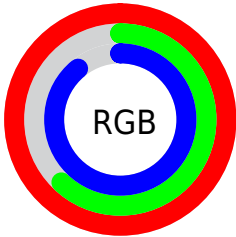
Format	Color
R _Y B	255, 159, 228
Decimal	16752612
CIE Lab	77.08, 45.17, -19.83
CIE LCh	77, 49.337, 336.296
Yxy	51.6577, 0.3397, 0.2595
Android (android.graphics.Color)	4294942692 (0xFFFF9FE4)
YUV	195.5700, 15.9880, 52.1201
Hunter-Lab	71.8733, 42.1655, -15.5059

Details

The Yxy color **51.6577, 0.3397, 0.2595** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4045, 0.2937, 0.4108**, and the grayscale version is **54.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **24.9520, 0.3467, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **43.3848, 0.3495, 0.2418**, and if you desaturate by 10%, it is **61.7601, 0.3310, 0.2782**.

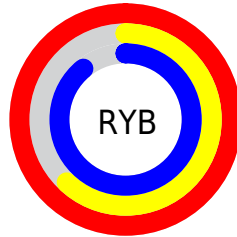
Distribution



Red (100%)

Green (62%)

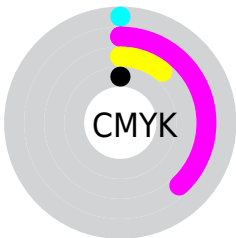
Blue (89%)



Red (100%)

Yellow (62%)

Blue (89%)

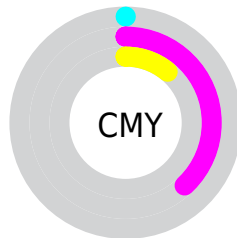


Cyan (0%)

Magenta (38%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6577, 0.3397, 0.2595 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 51.6577, 0.3397, 0.2595 by changing the saturation by 10% instead.


 51.6577, 0.3397,
0.2595


 51.6577, 0.3397,
0.2595


393.1137, 0.3274,
0.2915

 36.7323, 0.3424,
0.2523


 92.6262, 0.3355,
0.2706

 25.0003, 0.3458,
0.2434


 119.4381, 0.3338,
0.2749

 16.0773, 0.3500,
0.2322


150.9810, 0.3324,
0.2786

 9.5789, 0.3553,
0.2177

187.6393, 0.3312,
0.2818

 5.1206, 0.3623,
0.1983

229.7973, 0.3301,
0.2847

 2.3182, 0.3719,
0.1713

277.8394, 0.3291,

 0.7833, 0.3855,

0.2872

0.1312

332.1501, 0.3282,
0.2895

0.0000, 0.4342,
0.0000

0.0000, 0.0000,
0.0000

51.6577, 0.3397,
0.2595

51.6577, 0.3397,
0.2595

43.3848, 0.3495,
0.2418

61.7601, 0.3310,
0.2782

36.8221, 0.3602,
0.2261

73.7874, 0.3235,
0.2971

31.8474, 0.3717,
0.2134

87.8369, 0.3170,
0.3155

28.3192, 0.3836,
0.2049

99.9892, 0.3127,
0.3290

■ 26.0706, 0.3955,
0.2012

■ 24.8820, 0.4069,
0.2024

■ 24.6784, 0.4097,
0.2030

Harmonies

Analogous

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



51.6577, 0.2736, 0.2332



51.6577, 0.3397, 0.2595



51.6577, 0.4039, 0.3007

Triad

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



51.6577, 0.3397, 0.2595



51.6577, 0.4007, 0.4392



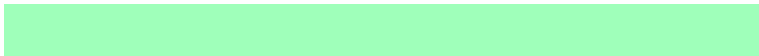
51.6577, 0.1990, 0.2863

Complementary

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



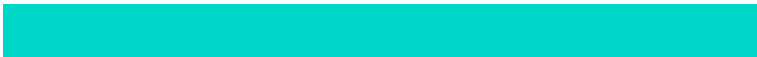
51.6577, 0.3397, 0.2595



82.4045, 0.2937, 0.4108

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.



51.6577, 0.2259, 0.3514



51.6577, 0.3397, 0.2595



51.6577, 0.3411, 0.4502

Square

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



51.6577, 0.3397, 0.2595



51.6577, 0.4390, 0.3996



51.6577, 0.2771, 0.4172



51.6577, 0.1987, 0.2434

Rectangle

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



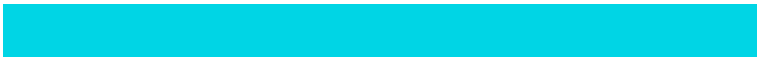
51.6577, 0.3397, 0.2595



51.6577, 0.4332, 0.3330



51.6577, 0.2771, 0.4172



51.6577, 0.2050, 0.3061

Sweetspot

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



51.6601, 0.3397, 0.2595



82.8931, 0.3191, 0.3093



42.2938, 0.2613, 0.2195



17.3291, 0.3199, 0.3068



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.



51.6601, 0.3397, 0.2595



45.4025, 0.3468, 0.2463



49.4135, 0.3836, 0.3057



18.2081, 0.3181, 0.3121



12.9284, 0.4078, 0.2020



1.2775, 0.3956, 0.1953

Inverse Universe

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



51.6601, 0.3397, 0.2595



45.4025, 0.3468, 0.2463



84.7173, 0.2706, 0.3543



18.2081, 0.3181, 0.3121



12.9284, 0.4078, 0.2020



1.2775, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 51.6577, 0.3397, 0.2595 looks on a white background.

Color Contrast Check

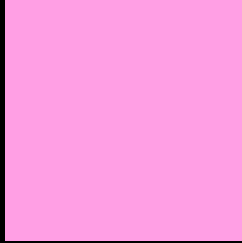
Large Text (above 18pt) WCAG AA × Fail

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 51.6577, 0.3397, 0.2595 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 51.6577, 0.3397, 0.2595

Background



This preview shows how black text looks on a background with the Yxy color 51.6577, 0.3397, 0.2595.



This preview shows how white text looks on a background with the Yxy color 51.6577, 0.3397, 0.2595.

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

51.6577, 0.3397, 0.2595

Protanopia

52.3487, 0.2619, 0.2588

Deuteranopia

51.9149, 0.2918, 0.2851



Tritanopia

51.4812, 0.3760, 0.3152

Trichromacy



Original Color

51.6577, 0.3397, 0.2595



Protanomaly

51.0290, 0.2866, 0.2580



Deuteranomaly

51.0858, 0.3078, 0.2738



Tritanomaly

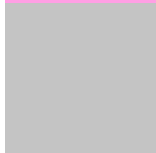
51.4967, 0.3626, 0.2943

Monochromacy



Original Color

51.6577, 0.3397, 0.2595



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.1728, 0.3216, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6577, 0.3397, 0.2595 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, 159, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 228)  
}
```

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, 159, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.6577, 0.3397, 0.2595 is called "border". The border property can be set on classes, ids or directly on the HTML element.

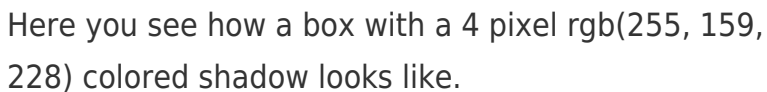
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 159, 228) }
```

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

```
.border{ border-color:rgb(255, 159, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 159, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 159, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 159, 228); box-shadow:4px 4px 4px 4px rgb(255, 159, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6577, 0.3397, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 228) }
```

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

```
.background{ background-color: rgb(255,  
159, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor