

Converting Colors

$Y_{xy}(51.2609, 0.3423, 0.2614)$

Have a look what the booklet for
Yxy(51.2609, 0.3423, 0.2614)
contains.

Yxy(51.1500, 0.3425, 0.2613)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.1500, 0.3425, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EE1
RGB	255, 158, 225
RGB Percent	100%, 62%, 88%
CMY	0.0001, 0.3803, 0.1177
CMYK	0.00, 0.38, 0.12, 0.00
HSL	319°, 100%, 81%
HSV	319°, 38%, 100%
XYZ	67.0451, 51.1500, 77.5569
YIQ	194.6410, 36.3050, 41.4010

Conversions

Conversions Part 2

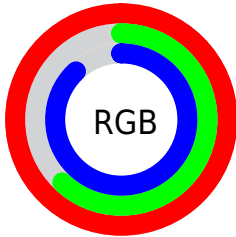
Format	Color
R _Y B	255, 158, 225
Decimal	16752353
CIE Lab	76.77, 45.22, -18.67
CIE LCh	77, 48.920, 337.569
Yxy	51.1500, 0.3425, 0.2613
Android (android.graphics.Color)	4294942433 (0xFFFF9EE1)
YUV	194.6410, 14.9670, 52.9348
Hunter-Lab	71.5192, 42.1746, -14.2319

Details

The Yxy color **51.1500, 0.3425, 0.2613** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.4012, 0.2922, 0.4085**, and the grayscale version is **54.2439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.6732, 0.3494, 0.2447** is the 20% darker color. If you saturate the color by 10%, you get **42.9154, 0.3533, 0.2442**, and if you desaturate by 10%, it is **61.2134, 0.3329, 0.2793**.

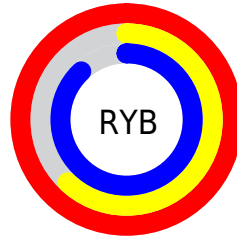
Distribution



Red (100%)

Green (62%)

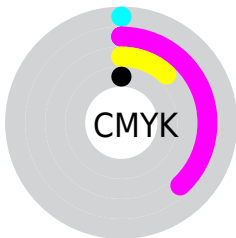
Blue (88%)



Red (100%)

Yellow (62%)

Blue (88%)

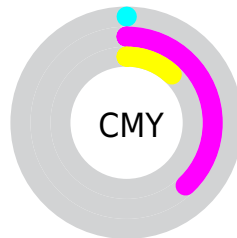


Cyan (0%)

Magenta (38%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1500, 0.3425, 0.2613 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 51.1500, 0.3425, 0.2613 by changing the saturation by 10% instead.


 51.1500, 0.3425,
0.2613

 51.1500, 0.3425,
0.2613


391.1463, 0.3288,
0.2926

 36.3280, 0.3456,
0.2542


 91.8765, 0.3378,
0.2721

 24.6876, 0.3494,
0.2454


 118.5497, 0.3359,
0.2764

 15.8445, 0.3542,
0.2344


149.9422, 0.3343,
0.2800

 9.4142, 0.3604,
0.2201

186.4382, 0.3329,
0.2832

 5.0123, 0.3687,
0.2009

228.4223, 0.3317,
0.2859

 2.2545, 0.3803,
0.1739

276.2787, 0.3306,

 0.7495, 0.3976,

0.2884

0.1330

330.3919, 0.3297,
0.2906

■ 0.0000, 0.4548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1500, 0.3425,
0.2613

■ 51.1500, 0.3425,
0.2613

■ 42.9154, 0.3533,
0.2442

■ 61.2134, 0.3329,
0.2793

■ 36.3900, 0.3653,
0.2291

■ 73.2017, 0.3247,
0.2975

■ 31.4508, 0.3782,
0.2171

■ 87.2123, 0.3176,
0.3153

■ 27.9554, 0.3916,
0.2092

99.9933, 0.3127,
0.3290

■ 25.7355, 0.4049,
0.2063

■ 24.5634, 0.4179,
0.2083

■ 24.3915, 0.4205,
0.2090

Harmonies

Analogous

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



51.1500, 0.2764, 0.2343



51.1500, 0.3425, 0.2613



51.1500, 0.4057, 0.3028

Triad

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



51.1500, 0.3425, 0.2613



51.1500, 0.3982, 0.4398



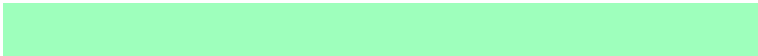
51.1500, 0.1989, 0.2842

Complementary

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



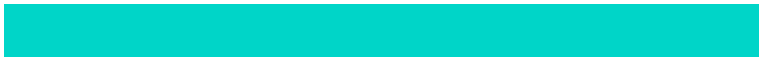
51.1500, 0.3425, 0.2613



82.4012, 0.2922, 0.4085

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.



51.1500, 0.2247, 0.3483



51.1500, 0.3425, 0.2613



51.1500, 0.3383, 0.4491

Square

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



51.1500, 0.3425, 0.2613



51.1500, 0.4374, 0.4013



51.1500, 0.2748, 0.4143



51.1500, 0.1998, 0.2426

Rectangle

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



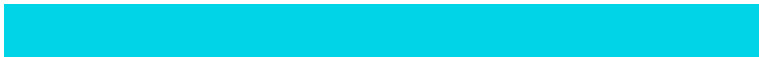
51.1500, 0.3425, 0.2613



51.1500, 0.4339, 0.3352



51.1500, 0.2748, 0.4143



51.1500, 0.2045, 0.3036

Sweetspot

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



51.1524, 0.3425, 0.2613



82.8445, 0.3196, 0.3101



42.2605, 0.2630, 0.2188



17.3174, 0.3205, 0.3077



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.



51.1524, 0.3425, 0.2613



44.4504, 0.3510, 0.2475



48.9083, 0.3880, 0.3088



18.1991, 0.3186, 0.3127



12.7771, 0.4184, 0.2079



1.2637, 0.4045, 0.2002

Inverse Universe

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



51.1524, 0.3425, 0.2613



44.4504, 0.3510, 0.2475



84.8013, 0.2686, 0.3508



18.1991, 0.3186, 0.3127



12.7771, 0.4184, 0.2079



1.2637, 0.4045, 0.2002

Previews

White Background



This preview shows how the Yxy color 51.1500, 0.3425, 0.2613 looks on a white background.

Color Contrast Check

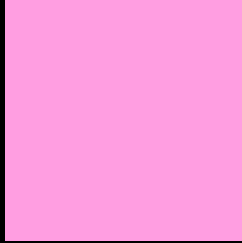
Large Text (above 18pt) WCAG AA × Fail

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 51.1500, 0.3425, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

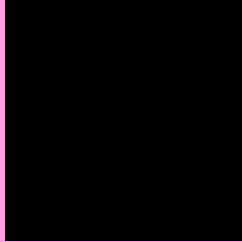
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1500, 0.3425, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 51.1500, 0.3425, 0.2613.



This preview shows how white text looks on a background with the Yxy color 51.1500, 0.3425, 0.2613.

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

51.1500, 0.3425, 0.2613

Protanopia

51.7342, 0.2635, 0.2607

Deuteranopia

51.3346, 0.2939, 0.2873



Tritanopia

51.2161, 0.3791, 0.3164

Trichromacy



Original Color

51.1500, 0.3425, 0.2613



Protanomaly

50.4547, 0.2887, 0.2598



Deuteranomaly

50.5328, 0.3102, 0.2758



Tritanomaly

51.2319, 0.3656, 0.2955

Monochromacy



Original Color

51.1500, 0.3425, 0.2613



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.6638, 0.3233, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1500, 0.3425, 0.2613 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 225) }
```

Border

The CSS property to change the border of an element to Yxy 51.1500, 0.3425, 0.2613 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, 225) }
```

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

```
.border{ border-color:rgb(255, 158, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1500, 0.3425, 0.2613 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
158, 225) }
```

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