

Converting Colors

$Y_{xy}(51.0023, 0.3455, 0.2645)$

Have a look what the booklet for
Yxy(51.0023, 0.3455, 0.2645)
contains.

Yxy(50.9876, 0.3452, 0.2641)	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(50.9876, 0.3452, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EDE
RGB	255, 158, 222
RGB Percent	100%, 62%, 87%
CMY	0.0001, 0.3803, 0.1294
CMYK	0.00, 0.38, 0.13, 0.00
HSL	320°, 100%, 81%
HSV	320°, 38%, 100%
XYZ	66.6449, 50.9876, 75.4292
YIQ	194.2990, 37.2680, 40.4680

Conversions

Conversions Part 2

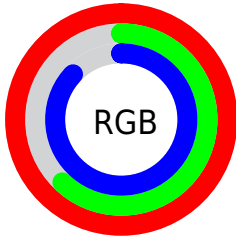
Format	Color
R _Y B	255, 158, 222
Decimal	16752350
CIE Lab	76.67, 44.75, -17.19
CIE LCh	77, 47.942, 338.991
Yxy	50.9876, 0.3452, 0.2641
Android (android.graphics.Color)	4294942430 (0xFFFF9EDE)
YUV	194.2990, 13.6566, 53.2348
Hunter-Lab	71.4056, 41.6394, -12.6470

Details

The Yxy color **50.9876, 0.3452, 0.2641** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.5404, 0.2906, 0.4048**, and the grayscale version is **54.0379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.5610, 0.3532, 0.2482** is the 20% darker color. If you saturate the color by 10%, you get **42.7206, 0.3572, 0.2477**, and if you desaturate by 10%, it is **61.0877, 0.3347, 0.2814**.

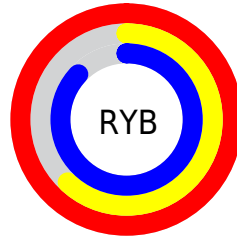
Distribution



Red (100%)

Green (62%)

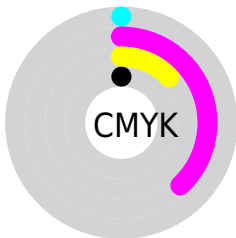
Blue (87%)



Red (100%)

Yellow (62%)

Blue (87%)

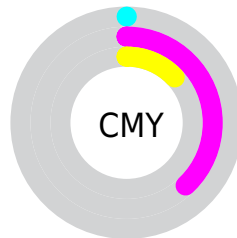


Cyan (0%)

Magenta (38%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9876, 0.3452, 0.2641 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 50.9876, 0.3452, 0.2641 by changing the saturation by 10% instead.

 50.9876, 0.3452,
0.2641

 50.9876, 0.3452,
0.2641

390.5156, 0.3301,
0.2942

 36.1987, 0.3487,
0.2572


 91.6364, 0.3399,
0.2745

 24.5877, 0.3529,
0.2488

 118.2652, 0.3379,
0.2786

 15.7702, 0.3584,
0.2380


149.6094, 0.3361,
0.2821

 9.3617, 0.3654,
0.2241


186.0534, 0.3346,
0.2852

 4.9778, 0.3750,
0.2053

227.9817, 0.3333,
0.2878

 2.2343, 0.3887,
0.1787

275.7785, 0.3321,

 0.7386, 0.4100,

0.2902

0.1377

329.8284, 0.3310,
0.2923

0.0000, 0.4812,
0.0000

0.0000, 0.0000,
0.0000

50.9876, 0.3452,
0.2641

50.9876, 0.3452,
0.2641

42.7206, 0.3572,
0.2477

61.0877, 0.3347,
0.2814

36.1669, 0.3705,
0.2332

73.1169, 0.3257,
0.2989

31.2034, 0.3849,
0.2217

87.1729, 0.3180,
0.3159

27.6875, 0.4000,
0.2144

99.9962, 0.3127,
0.3290

■ 25.4509, 0.4151,
0.2121

■ 24.2654, 0.4298,
0.2149

■ 24.0919, 0.4327,
0.2157

Harmonies

Analogous

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



50.9876, 0.2799, 0.2367



50.9876, 0.3452, 0.2641



50.9876, 0.4064, 0.3055

Triad

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



50.9876, 0.3452, 0.2641



50.9876, 0.3943, 0.4391



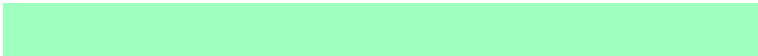
50.9876, 0.2003, 0.2827

Complementary

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



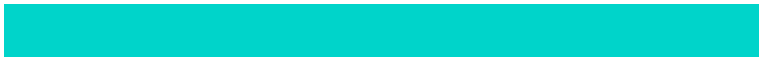
50.9876, 0.3452, 0.2641



82.5404, 0.2906, 0.4048

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.



50.9876, 0.2244, 0.3448



50.9876, 0.3452, 0.2641



50.9876, 0.3350, 0.4461

Square

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



50.9876, 0.3452, 0.2641



50.9876, 0.4341, 0.4025



50.9876, 0.2728, 0.4099



50.9876, 0.2023, 0.2429

Rectangle

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



50.9876, 0.3452, 0.2641



50.9876, 0.4329, 0.3376



50.9876, 0.2728, 0.4099



50.9876, 0.2054, 0.3014

Sweetspot

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



50.9900, 0.3452, 0.2641



82.7913, 0.3201, 0.3109



42.6699, 0.2655, 0.2195



17.3047, 0.3212, 0.3086



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.



50.9900, 0.3452, 0.2641



44.2620, 0.3546, 0.2509



48.7795, 0.3912, 0.3122



18.1892, 0.3190, 0.3134



12.6198, 0.4304, 0.2145



1.2492, 0.4146, 0.2058

Inverse Universe

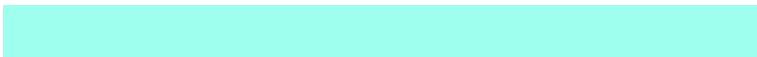
The Inverse Universe completely reimagines the original color for something new.



50.9900, 0.3452, 0.2641



44.2620, 0.3546, 0.2509



84.9998, 0.2671, 0.3471



18.1892, 0.3190, 0.3134



12.6198, 0.4304, 0.2145



1.2492, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 50.9876, 0.3452, 0.2641 looks on a white background.

Color Contrast Check

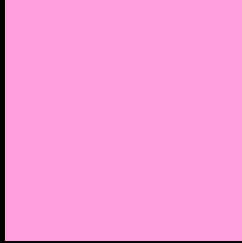
Large Text (above 18pt) WCAG AA × Fail

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 50.9876, 0.3452, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

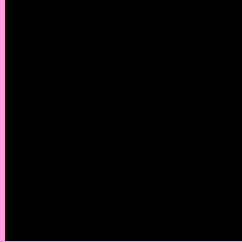
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9876, 0.3452, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 50.9876, 0.3452, 0.2641.



This preview shows how white text looks on a background with the Yxy color 50.9876, 0.3452, 0.2641.

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

50.9876, 0.3452, 0.2641

Protanopia

51.6074, 0.2666, 0.2650

Deuteranopia

51.3098, 0.2968, 0.2907



Tritanopia

50.8511, 0.3794, 0.3153

Trichromacy



Original Color

50.9876, 0.3452, 0.2641



Protanomaly

50.4216, 0.2916, 0.2630



Deuteranomaly

50.5261, 0.3134, 0.2791



Tritanomaly

50.8300, 0.3667, 0.2955

Monochromacy



Original Color

50.9876, 0.3452, 0.2641



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.0063, 0.3241, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9876, 0.3452, 0.2641 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 222) }
```

Border

The CSS property to change the border of an element to Yxy 50.9876, 0.3452, 0.2641 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, 222) }
```

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

```
.border{ border-color:rgb(255, 158, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9876, 0.3452, 0.2641 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
158, 222) }
```

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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