

Converting Colors

$Y_{xy}(51.9008, 0.3392, 0.2562)$

Have a look what the booklet for
Yxy(51.9008, 0.3392, 0.2562)
contains.

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Color

Yxy(51.4832, 0.3372, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EE7
RGB	255, 158, 231
RGB Percent	100%, 62%, 91%
CMY	0.0000, 0.3804, 0.0941
CMYK	0.00, 0.38, 0.09, 0.00
HSL	315°, 100%, 81%
HSV	315°, 38%, 100%
XYZ	67.8926, 51.4832, 81.9664
YIQ	195.3250, 34.3790, 43.2670

Conversions

Conversions Part 2

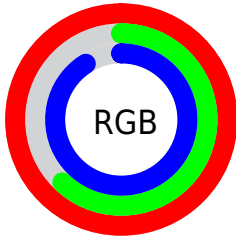
Format	Color
R _Y B	255, 158, 231
Decimal	16752359
CIE _{Lab}	76.97, 46.22, -21.64
CIE _{LCh}	77, 51.036, 334.908
Y _{xy}	51.4832, 0.3372, 0.2557
Android (android.graphics.Color)	4294942439 (0xFFFF9EE7)
YUV	195.3250, 17.5878, 52.3350
Hunter-Lab	71.7518, 43.3337, -17.5043

Details

The Yxy color **51.4832, 0.3372, 0.2557** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1665, 0.2952, 0.4160**, and the grayscale version is **54.6555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **24.8661, 0.3432, 0.2390** is the 20% darker color. If you saturate the color by 10%, you get **43.3192, 0.3458, 0.2374**, and if you desaturate by 10%, it is **61.4676, 0.3295, 0.2751**.

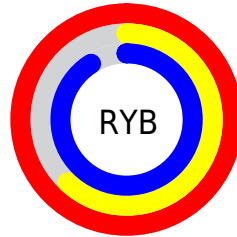
Distribution



Red (100%)

Green (62%)

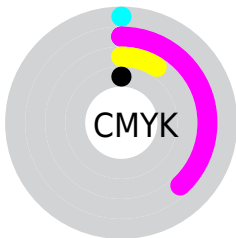
Blue (91%)



Red (100%)

Yellow (62%)

Blue (91%)

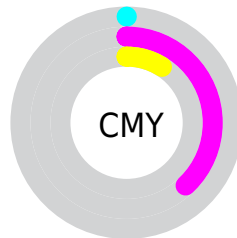


Cyan (0%)

Magenta (38%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4832, 0.3372, 0.2557 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 51.4832, 0.3372, 0.2557 by changing the saturation by 10% instead.


 51.4832, 0.3372,
0.2557


 51.4832, 0.3372,
0.2557


392.4382, 0.3262,
0.2893

 36.5933, 0.3396,
0.2481


 92.3686, 0.3335,
0.2673

 24.8928, 0.3425,
0.2388


 119.1329, 0.3320,
0.2718

 15.9972, 0.3461,
0.2272


150.6242, 0.3307,
0.2757

 9.5222, 0.3506,
0.2122

187.2268, 0.3296,
0.2791

 5.0833, 0.3564,
0.1922

229.3251, 0.3286,
0.2822

 2.2962, 0.3639,
0.1645

277.3035, 0.3277,

 0.7717, 0.3740,

0.2848

0.1239

331.5464, 0.3270,
0.2872

■ 0.0000, 0.4111,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.4832, 0.3372,
0.2557

■ 51.4832, 0.3372,
0.2557

■ 43.3192, 0.3458,
0.2374

■ 61.4676, 0.3295,
0.2751

■ 36.8586, 0.3552,
0.2212

■ 73.3710, 0.3227,
0.2948

■ 31.9778, 0.3652,
0.2081

■ 87.2900, 0.3168,
0.3141

■ 28.5342, 0.3754,
0.1992

100.0000, 0.3127,
0.3290

■ 26.3598, 0.3855,
0.1951

■ 25.2263, 0.3952,
0.1957

■ 25.0627, 0.3971,
0.1961

Harmonies

Analogous

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



51.4832, 0.2694, 0.2295



51.4832, 0.3372, 0.2557



51.4832, 0.4045, 0.2974

Triad

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



51.4832, 0.3372, 0.2557



51.4832, 0.4058, 0.4412



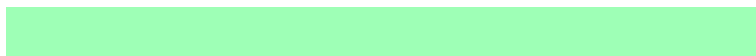
51.4832, 0.1961, 0.2872

Complementary

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



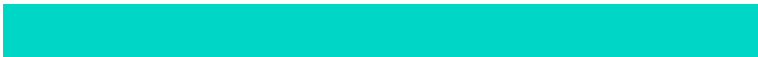
51.4832, 0.3372, 0.2557



82.1665, 0.2952, 0.4160

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.



51.4832, 0.2249, 0.3555



51.4832, 0.3372, 0.2557



51.4832, 0.3448, 0.4552

Square

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



51.4832, 0.3372, 0.2557



51.4832, 0.4442, 0.3991



51.4832, 0.2785, 0.4232



51.4832, 0.1947, 0.2420

Rectangle

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



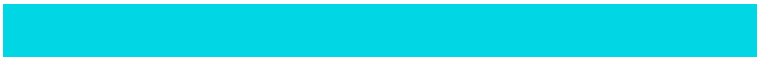
51.4832, 0.3372, 0.2557



51.4832, 0.4360, 0.3304



51.4832, 0.2785, 0.4232



51.4832, 0.2026, 0.3081

Sweetspot

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



51.4846, 0.3372, 0.2557



82.9520, 0.3184, 0.3084



41.4543, 0.2582, 0.2174



17.3431, 0.3192, 0.3058



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.



51.4846, 0.3372, 0.2557



44.8413, 0.3440, 0.2410



49.1698, 0.3816, 0.3021



18.2191, 0.3176, 0.3113



13.1208, 0.3955, 0.1953



1.2949, 0.3851, 0.1895

Inverse Universe

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



51.4846, 0.3372, 0.2557



44.8413, 0.3440, 0.2410



84.4540, 0.2717, 0.3584



18.2191, 0.3176, 0.3113



13.1208, 0.3955, 0.1953



1.2949, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 51.4832, 0.3372, 0.2557 looks on a white background.

Color Contrast Check

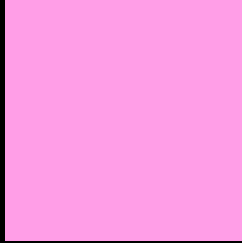
Large Text (above 18pt) WCAG AA × Fail

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 51.4832, 0.3372, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

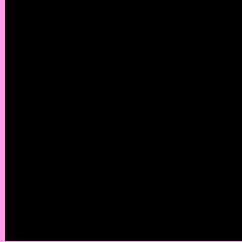
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4832, 0.3372, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 51.4832, 0.3372, 0.2557.



This preview shows how white text looks on a background with the Yxy color 51.4832, 0.3372, 0.2557.

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

51.4832, 0.3372, 0.2557

Protanopia

51.8790, 0.2588, 0.2543

Deuteranopia

51.8153, 0.2882, 0.2816



Tritanopia

51.4812, 0.3760, 0.3152

Trichromacy



Original Color

51.4832, 0.3372, 0.2557



Protanomaly

50.6724, 0.2838, 0.2537



Deuteranomaly

51.0992, 0.3047, 0.2705



Tritanomaly

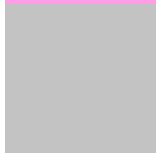
51.1837, 0.3618, 0.2923

Monochromacy



Original Color

51.4832, 0.3372, 0.2557



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.7617, 0.3217, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4832, 0.3372, 0.2557 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 231) }
```

Border

The CSS property to change the border of an element to Yxy 51.4832, 0.3372, 0.2557 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, 231) }
```

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

```
.border{ border-color:rgb(255, 158, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4832, 0.3372, 0.2557 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, 231) }
```

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

```
.background{ background-color: rgb(255,  
158, 231) }
```

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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