

# Converting Colors

$Y_{xy}(50.1705, 0.3232, 0.2342)$

Have a look what the booklet for  
Yxy(50.1705, 0.3232, 0.2342)  
contains.

<b>Yxy(50.1705, 0.3232, 0.2342)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.1705, 0.3232, 0.2342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF97F8
RGB	255, 151, 248
RGB Percent	100%, 59%, 97%
CMY	0.0001, 0.4077, 0.0276
CMYK	0.00, 0.41, 0.03, 0.00
HSL	304°, 100%, 80%
HSV	304°, 41%, 100%
XYZ	69.2361, 50.1705, 94.8141
YIQ	193.1540, 30.8470, 52.2150

# Conversions

## Conversions Part 2

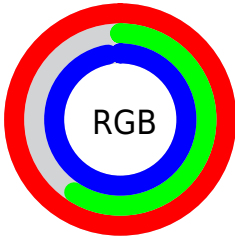
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 151, 248
Decimal	16750584
CIE Lab	76.17, 52.58, -32.07
CIE LCh	76, 61.590, 328.625
Yxy	50.1705, 0.3232, 0.2342
Android (android.graphics.Color)	4294940664 (0xFFFF97F8)
YUV	193.1540, 27.0391, 54.2389
Hunter-Lab	70.8311, 50.5260, -29.7834

# Details

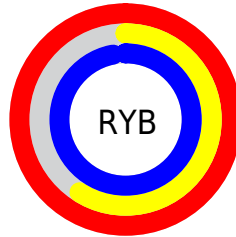
The Yxy color **50.1705, 0.3232, 0.2342** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.5509, 0.3034, 0.4468**, and the grayscale version is **53.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1056, 0.3149, 0.2821**, and **24.0467, 0.3239, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **42.7262, 0.3261, 0.2134**, and if you desaturate by 10%, it is **59.3948, 0.3203, 0.2569**.

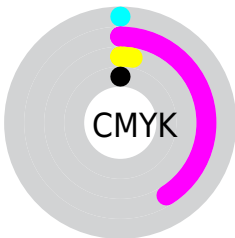
# Distribution



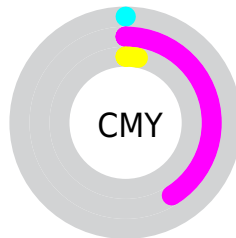
- Red (100%)
- Green (59%)
- Blue (97%)



- Red (100%)
- Yellow (59%)
- Blue (97%)



- Cyan (0%)
- Magenta (41%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (41%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1705, 0.3232, 0.2342 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 50.1705, 0.3232, 0.2342 by changing the saturation by 10% instead.




 50.1705, 0.3232,  
0.2342


 50.1705, 0.3232,  
0.2342


387.3323, 0.3196,  
0.2769

 35.5489, 0.3237,  
0.2248


 90.4274, 0.3222,  
0.2487

 24.0860, 0.3241,  
0.2135


 116.8316, 0.3218,  
0.2544

 15.3974, 0.3245,  
0.1994


147.9320, 0.3213,  
0.2594

 9.0988, 0.3244,  
0.1817

184.1131, 0.3209,  
0.2638

 4.8057, 0.3236,  
0.1589

225.7593, 0.3206,  
0.2676

 2.1337, 0.3208,  
0.1287

273.2550, 0.3202,

 0.6835, 0.3137,

0.2710

0.0867

326.9845, 0.3199,  
0.2741

0.0000, 0.3025,  
0.0000

0.0000, 0.0000,  
0.0000

50.1705, 0.3232,  
0.2342

50.1705, 0.3232,  
0.2342

42.7262, 0.3261,  
0.2134

59.3948, 0.3203,  
0.2569

36.9397, 0.3291,  
0.1954

70.4974, 0.3176,  
0.2805

32.6840, 0.3319,  
0.1812

83.5777, 0.3151,  
0.3042

29.8109, 0.3346,  
0.1713

98.7260, 0.3129,  
0.3273

■ 28.1431, 0.3370,  
0.1658

99.9937, 0.3127,  
0.3290

■ 27.4147, 0.3389,  
0.1641

# Harmonies

## Analogous

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



50.1705, 0.2455, 0.2084



50.1705, 0.3232, 0.2342



50.1705, 0.4086, 0.2790

# Triad

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



50.1705, 0.3232, 0.2342



50.1705, 0.4346, 0.4522



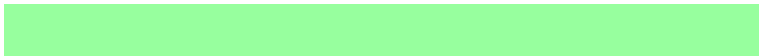
50.1705, 0.1788, 0.2917

# Complementary

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



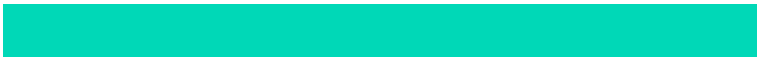
50.1705, 0.3232, 0.2342



80.5509, 0.3034, 0.4468

# 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.



50.1705, 0.2179, 0.3799



50.1705, 0.3232, 0.2342



50.1705, 0.3648, 0.4838

# Square

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



50.1705, 0.3232, 0.2342



50.1705, 0.4750, 0.3959



50.1705, 0.2855, 0.4599



50.1705, 0.1715, 0.2323



# Rectangle

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



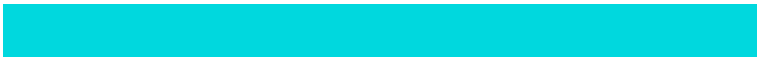
50.1705, 0.3232, 0.2342



50.1705, 0.4528, 0.3158



50.1705, 0.2855, 0.4599



50.1705, 0.1882, 0.3189

# Sweetspot

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



50.1727, 0.3232, 0.2342



81.8745, 0.3154, 0.3013



36.6269, 0.2411, 0.2044



17.1411, 0.3158, 0.2982



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.



50.1727, 0.3232, 0.2342



43.9284, 0.3256, 0.2169



47.3862, 0.3711, 0.2824



18.2780, 0.3148, 0.3071



14.3380, 0.3386, 0.1639



1.4022, 0.3364, 0.1627



# Inverse Universe

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



50.1727, 0.3232, 0.2342



43.9284, 0.3256, 0.2169



82.7308, 0.2777, 0.3820



18.2780, 0.3148, 0.3071



14.3380, 0.3386, 0.1639



1.4022, 0.3364, 0.1627



# Previews

## White Background



This preview shows how the Yxy color 50.1705, 0.3232, 0.2342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

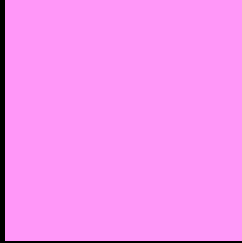
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1705, 0.3232, 0.2342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

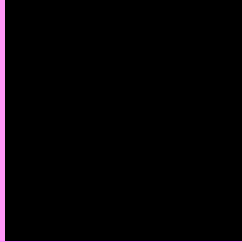
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.1705, 0.3232, 0.2342**

## Background



This preview shows how black text looks on a background with the Yxy color 50.1705, 0.3232, 0.2342.



This preview shows how white text looks on a background with the Yxy color 50.1705, 0.3232, 0.2342.

# 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

50.1705, 0.3232, 0.2342

### Protanopia

50.5533, 0.2530, 0.2481

### Deuteranopia

50.5737, 0.2676, 0.2616



## Tritanopia

50.0796, 0.3768, 0.3162

# Trichromacy



## Original Color

50.1705, 0.3232, 0.2342



## Protanomaly

49.0575, 0.2752, 0.2408



## Deuteranomaly

49.5406, 0.2859, 0.2497



## Tritanomaly

49.9413, 0.3569, 0.2848

# Monochromacy



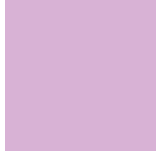
## Original Color

50.1705, 0.3232, 0.2342



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

51.2438, 0.3171, 0.2889

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1705, 0.3232, 0.2342 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, 151, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 248)  
}
```

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, 151, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1705, 0.3232, 0.2342 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, 151, 248) }
```

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

```
.border{ border-color:rgb(255, 151, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 151, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 151, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 151, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 151,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1705, 0.3232, 0.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 248) }
```

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

```
.background{ background-color: rgb(255,  
151, 248) }
```

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