

# Converting Colors

$Y_{xy}(60.1353, 0.3221, 0.2642)$

Have a look what the booklet for  
Yxy(60.1353, 0.3221, 0.2642)  
contains.

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# Color

**Yxy(60.1177, 0.3222, 0.2642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDB4F5
RGB	253, 180, 245
RGB Percent	99%, 71%, 96%
CMY	0.0077, 0.2941, 0.0393
CMYK	0.00, 0.29, 0.03, 0.01
HSL	307°, 95%, 85%
HSV	307°, 29%, 99%
XYZ	73.3154, 60.1177, 94.1131
YIQ	209.2370, 22.6430, 35.6910

# Conversions

## Conversions Part 2

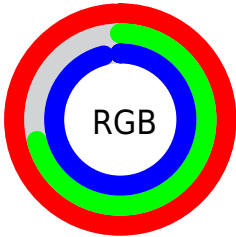
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	253, 180, 245
Decimal	16626933
CIE Lab	81.90, 36.56, -21.72
CIE LCh	82, 42.524, 329.289
Yxy	60.1177, 0.3222, 0.2642
Android (android.graphics.Color)	4294817013 (0xFFFD B4F5)
YUV	209.2370, 17.6312, 38.3802
Hunter-Lab	77.5356, 33.0970, -17.6916

# Details

The Yxy color  $60.1177, 0.3222, 0.2642$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $83.6024, 0.3044, 0.4038$ , and the grayscale version is  $63.7969, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.0484, 0.3135, 0.3117$ , and  $30.1979, 0.3229, 0.2490$  is the 20% darker color. If you saturate the color by 10%, you get  $50.6513, 0.3262, 0.2421$ , and if you desaturate by 10%, it is  $71.4566, 0.3186, 0.2870$ .

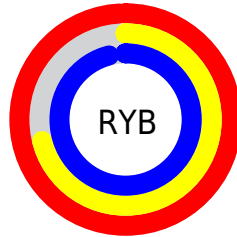
# Distribution



Red (99%)

Green (71%)

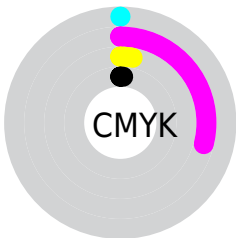
Blue (96%)



Red (99%)

Yellow (71%)

Blue (96%)

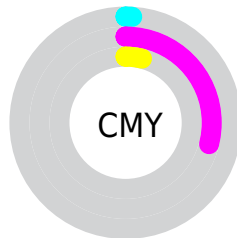


Cyan (0%)

Magenta (29%)

Yellow (3%)

Black (1%)



Cyan (1%)

Magenta (29%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1177, 0.3222, 0.2642 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 60.1177, 0.3222, 0.2642 by changing the saturation by 10% instead.




 60.1177, 0.3222,  
0.2642

 60.1177, 0.3222,  
0.2642


425.0315, 0.3184,  
0.2934

 43.5135, 0.3229,  
0.2577


 105.0004, 0.3210,  
0.2742

 30.2882, 0.3238,  
0.2498


134.0477, 0.3205,  
0.2781

 20.0575, 0.3247,  
0.2400


168.0115, 0.3201,  
0.2815

 12.4368, 0.3257,  
0.2274

207.2761, 0.3197,  
0.2845

 7.0419, 0.3268,  
0.2108

252.2260, 0.3193,  
0.2871

 3.4883, 0.3276,  
0.1881


303.2457, 0.3190,


 1.3917, 0.3274,


0.2895


0.1554


360.7193, 0.3187,  
0.2916


 0.2106, 0.3381,  
0.0637

 0.0000, 0.0694,  
0.0000


 60.1177, 0.3222,  
0.2642

 60.1177, 0.3222,  
0.2642


 50.6513, 0.3262,  
0.2421


 71.4566, 0.3186,  
0.2870

 42.9478, 0.3304,  
0.2215

 84.7539, 0.3153,  
0.3096

 36.8987, 0.3347,  
0.2035

 99.5213, 0.3124,  
0.3306

 32.3801, 0.3391,  
0.1889

 99.6275, 0.3115,  
0.3290

■ 29.2507, 0.3433,  
0.1786

■ 27.3431, 0.3473,  
0.1727

■ 26.4127, 0.3510,  
0.1710

■ 26.3329, 0.3514,  
0.1709

# Harmonies

## Analogous

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



60.1177, 0.2695, 0.2455



60.1177, 0.3222, 0.2642



60.1177, 0.3765, 0.2970

# Triad

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



60.1177, 0.3222, 0.2642



60.1177, 0.3959, 0.4150



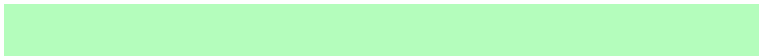
60.1177, 0.2209, 0.3063

# Complementary

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



60.1177, 0.3222, 0.2642



83.6024, 0.3044, 0.4038

# 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.



60.1177, 0.2495, 0.3610



60.1177, 0.3222, 0.2642



60.1177, 0.3499, 0.4285

# Square

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



60.1177, 0.3222, 0.2642



60.1177, 0.4204, 0.3805



60.1177, 0.2963, 0.4091



60.1177, 0.2151, 0.2651



# Rectangle

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



60.1177, 0.3222, 0.2642



60.1177, 0.4043, 0.3239



60.1177, 0.2963, 0.4091



60.1177, 0.2280, 0.3238

# Sweetspot

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



60.1204, 0.3222, 0.2642



86.0597, 0.3153, 0.3092



50.3373, 0.2668, 0.2459



17.9723, 0.3158, 0.3060



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.



60.1204, 0.3222, 0.2642



55.0448, 0.3246, 0.2505



58.1425, 0.3514, 0.2988



18.2639, 0.3155, 0.3081



14.0184, 0.3508, 0.1706



1.3744, 0.3470, 0.1685



# Inverse Universe

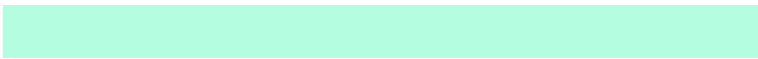
The Inverse Universe completely reimagines the original color for something new.



60.1204, 0.3222, 0.2642



55.0448, 0.3246, 0.2505



85.3417, 0.2855, 0.3616



18.2639, 0.3155, 0.3081



14.0184, 0.3508, 0.1706



1.3744, 0.3470, 0.1685



# Previews

## White Background



This preview shows how the Yxy color 60.1177, 0.3222, 0.2642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

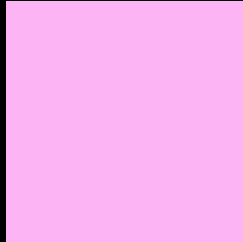
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1177, 0.3222, 0.2642 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 60.1177, 0.3222, 0.2642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1177, 0.3222, 0.2642.



This preview shows how white text looks on a background with the Yxy color 60.1177, 0.3222, 0.2642.

# 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

60.1177, 0.3222, 0.2642

### Protanopia

60.5374, 0.2704, 0.2699

### Deuteranopia

60.3195, 0.2890, 0.2823



## Tritanopia

60.0049, 0.3509, 0.3143

# Trichromacy



## Original Color

60.1177, 0.3222, 0.2642



## Protanomaly

59.8447, 0.2880, 0.2675



## Deuteranomaly

59.7981, 0.3007, 0.2753



## Tritanomaly

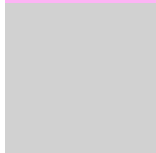
59.8996, 0.3399, 0.2948

# Monochromacy



## Original Color

60.1177, 0.3222, 0.2642



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

61.6696, 0.3163, 0.3027

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1177, 0.3222, 0.2642 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(253, 180, 245)` looks like.

```
.text, #text, p{  
    color:rgb(253, 180, 245)  
}
```

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(253, 180, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 180, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1177, 0.3222, 0.2642 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(253, 180, 245) }
```

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

```
.border{ border-color:rgb(253, 180, 245) }
```

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

Here you see how a box with a 4 pixel rgb(253, 180, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 180, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 180, 245);  
box-shadow:4px 4px 4px 4px rgb(253, 180,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1177, 0.3222, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 180, 245) }
```

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

```
.background{ background-color: rgb(253,  
180, 245) }
```

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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