

# Converting Colors

$Y_{xy}(36.0529, 0.2378, 0.2058)$

Have a look what the booklet for  
Yxy(36.0529, 0.2378, 0.2058)  
contains.

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# Color

**Yxy(36.1276, 0.2377, 0.2058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9798FD
RGB	151, 152, 253
RGB Percent	59%, 60%, 99%
CMY	0.4076, 0.4040, 0.0079
CMYK	0.40, 0.40, 0.00, 0.01
HSL	239°, 96%, 79%
HSV	239°, 40%, 99%
XYZ	41.7276, 36.1276, 97.6920
YIQ	163.2150, -33.0170, 31.1990

# Conversions

## Conversions Part 2

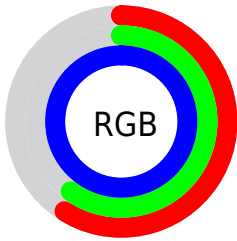
Format	Color
<a href="#">RYB</a>	<a href="#">151, 152, 253</a>
Decimal	<a href="#">9935101</a>
CIELab	<a href="#">66.62, 23.90, -50.46</a>
CIElCh	<a href="#">67, 55.831, 295.350</a>
Yxy	<a href="#">36.1276, 0.2377, 0.2058</a>
Android (android.graphics.Color)	<a href="#">4288125181 (0xFF9798FD)</a>
YUV	<a href="#">163.2150, 44.2640, -10.7126</a>
Hunter-Lab	<a href="#">60.1062, 18.7341, -54.2910</a>

# Details

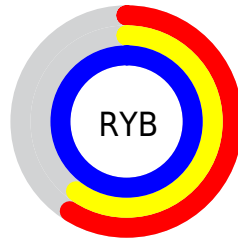
The Yxy color **36.1276, 0.2377, 0.2058** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.7822, 0.3735, 0.4282**, and the grayscale version is **36.5365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9179, 0.2827, 0.2763**, and **15.7258, 0.2165, 0.1761** is the 20% darker color. If you saturate the color by 10%, you get **26.6660, 0.2160, 0.1700**, and if you desaturate by 10%, it is **47.8309, 0.2589, 0.2407**.

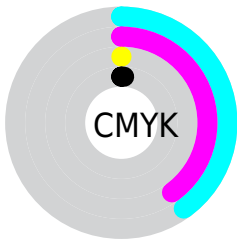
# Distribution



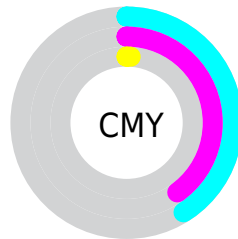
- Red (59%)
- Green (60%)
- Blue (99%)



- Red (59%)
- Yellow (60%)
- Blue (99%)



- Cyan (40%)
- Magenta (40%)
- Yellow (0%)
- Black (1%)




- Cyan (41%)
- Magenta (40%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1276, 0.2377, 0.2058 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 36.1276, 0.2377, 0.2058 by changing the saturation by 10% instead.





 36.1276, 0.2377,  
0.2058


 36.1276, 0.2377,  
0.2058


329.5179, 0.2760,  
0.2641

 24.5328, 0.2283,  
0.1926


 69.2290, 0.2516,  
0.2260

 15.7293, 0.2164,  
0.1765


 91.5043, 0.2568,  
0.2339

 9.3328, 0.2010,  
0.1566


118.1085, 0.2612,  
0.2407

 4.9589, 0.1806,  
0.1316

149.4262, 0.2650,  
0.2466

 2.2232, 0.1529,  
0.1004

185.8415, 0.2683,  
0.2518

 0.7326, 0.1149,  
0.0619

227.7390, 0.2712,

 0.0000, 0.0425,

0.2564

0.0000

275.5030, 0.2737,  
0.2604

0.0000, 0.0000,  
0.0000

36.1276, 0.2377,  
0.2058

36.1276, 0.2377,  
0.2058

26.6660, 0.2160,  
0.1700

47.8309, 0.2589,  
0.2407

19.2994, 0.1952,  
0.1357

61.9024, 0.2787,  
0.2732

13.8699, 0.1770,  
0.1055

78.4635, 0.2965,  
0.3025

10.1954, 0.1630,  
0.0820

97.6265, 0.3123,  
0.3283

8.0594, 0.1541,  
0.0671

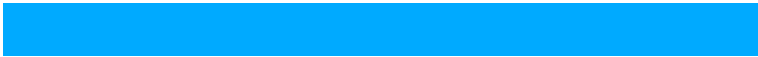
99.8711, 0.3139,  
0.3309

■ 7.1405, 0.1501,  
0.0604

# Harmonies

## Analogous

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



36.1276, 0.1889, 0.2065



36.1276, 0.2377, 0.2058



36.1276, 0.3138, 0.2294

# Triad

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



36.1276, 0.2377, 0.2058



36.1276, 0.4784, 0.3896



36.1276, 0.2231, 0.3907

# Complementary

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



36.1276, 0.2377, 0.2058



92.7822, 0.3735, 0.4282

# 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.



36.1276, 0.2936, 0.4675



36.1276, 0.2377, 0.2058



36.1276, 0.4420, 0.4477

# Square

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



36.1276, 0.2377, 0.2058



36.1276, 0.4650, 0.3287



36.1276, 0.3737, 0.4843



36.1276, 0.1802, 0.2998



# Rectangle

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



36.1276, 0.2377, 0.2058



36.1276, 0.3725, 0.2566



36.1276, 0.3737, 0.4843



36.1276, 0.2442, 0.4208

# Sweetspot

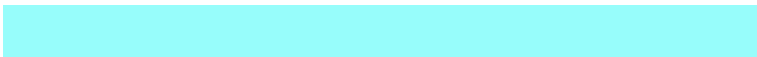
The Sweet Spot groups the original color and five complimentary colors.



36.1289, 0.2377, 0.2058



76.8064, 0.2936, 0.2977



83.8123, 0.2579, 0.3307



15.9490, 0.2914, 0.2940



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.



36.1289, 0.2377, 0.2058



29.1420, 0.2209, 0.1781



41.5712, 0.2739, 0.2160



17.4039, 0.2978, 0.3046



3.8100, 0.1502, 0.0605



0.3798, 0.1505, 0.0618



# Inverse Universe

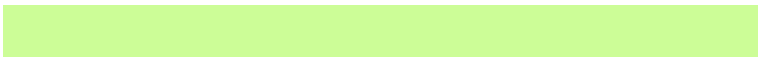
The Inverse Universe completely reimagines the original color for something new.



45.3023, 0.4149, 0.3283



39.6387, 0.4460, 0.3283



85.2785, 0.3394, 0.4416



17.9897, 0.3293, 0.3288



11.1126, 0.6392, 0.3295

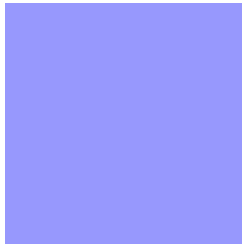


1.0829, 0.6370, 0.3283



# Previews

## White Background



This preview shows how the Yxy color 36.1276, 0.2377, 0.2058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

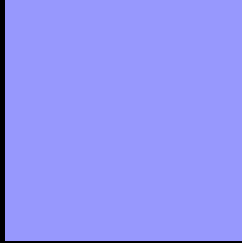
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.1276, 0.2377, 0.2058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

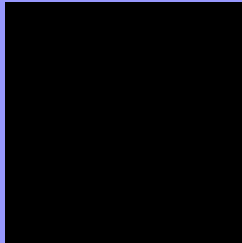
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.1276, 0.2377, 0.2058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.1276, 0.2377, 0.2058.



This preview shows how white text looks on a background with the Yxy color 36.1276, 0.2377, 0.2058.

# 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

36.1276, 0.2377, 0.2058

### Protanopia

36.3762, 0.2225, 0.2080

### Deuteranopia

36.5187, 0.2203, 0.2143



## Tritanopia

35.9602, 0.2726, 0.3080

# Trichromacy



**Original Color**

36.1276, 0.2377, 0.2058

**Protanomaly**

36.0010, 0.2273, 0.2066

**Deuteranomaly**

36.1491, 0.2258, 0.2101

**Tritanomaly**

35.9211, 0.2592, 0.2660

# Monochromacy



**Original Color**

36.1276, 0.2377, 0.2058

**Achromatopsia**

36.6253, 0.3127, 0.3290

**Achromatomaly**

36.1527, 0.2818, 0.2779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.1276, 0.2377, 0.2058 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(151, 152, 253)` looks like.

```
.text, #text, p{  
    color:rgb(151, 152, 253)  
}
```

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(151, 152, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 152, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 36.1276, 0.2377, 0.2058 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(151, 152, 253) }
```

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

```
.border{ border-color:rgb(151, 152, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 152, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 152, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 152, 253);  
box-shadow:4px 4px 4px 4px rgb(151, 152,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.1276, 0.2377, 0.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 152, 253) }
```

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

```
.background{ background-color: rgb(151,  
152, 253) }
```

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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