

# Converting Colors

Yxy(36.6492, 0.2527, 0.2145)

Have a look what the booklet for  
Yxy(36.6492, 0.2527, 0.2145)  
contains.

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# Color

**Yxy(36.5123, 0.2524, 0.2138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A696F5
RGB	166, 150, 245
RGB Percent	65%, 59%, 96%
CMY	0.3492, 0.4117, 0.0392
CMYK	0.32, 0.39, 0.00, 0.04
HSL	250°, 83%, 77%
HSV	250°, 39%, 96%
XYZ	43.1043, 36.5123, 91.1612
YIQ	165.6140, -20.9590, 32.9370

# Conversions

## Conversions Part 2

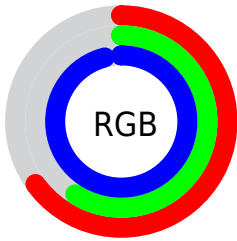
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">166, 150, 245</a>
Decimal	<a href="#">10917621</a>
CIELab	<a href="#">66.91, 26.78, -45.55</a>
CIELCh	<a href="#">67, 52.841, 300.449</a>
Yxy	<a href="#">36.5123, 0.2524, 0.2138</a>
Android (android.graphics.Color)	<a href="#">4289107701 (0xFFA696F5)</a>
YUV	<a href="#">165.6140, 39.1373, 0.3385</a>
Hunter-Lab	<a href="#">60.4254, 21.5881, -47.1505</a>

# Details

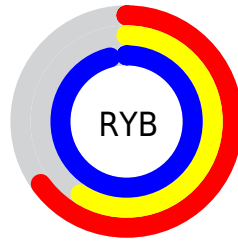
The Yxy color **36.5123, 0.2524, 0.2138** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.1786, 0.3595, 0.4293**, and the grayscale version is **37.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0937, 0.2922, 0.2756**, and **15.9340, 0.2347, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **27.4626, 0.2332, 0.1796**, and if you desaturate by 10%, it is **47.5487, 0.2705, 0.2471**.

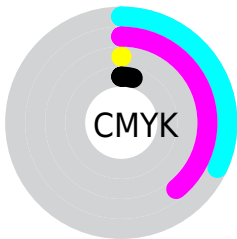
# Distribution



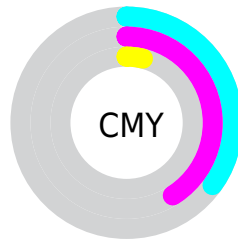
- Red (65%)
- Green (59%)
- Blue (96%)



- Red (65%)
- Yellow (59%)
- Blue (96%)



- Cyan (32%)
- Magenta (39%)
- Yellow (0%)
- Black (4%)




- Cyan (35%)
- Magenta (41%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5123, 0.2524, 0.2138 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 36.5123, 0.2524, 0.2138 by changing the saturation by 10% instead.





 36.5123, 0.2524,  
0.2138


 36.5123, 0.2524,  
0.2138


331.1942, 0.2837,  
0.2685

 24.8301, 0.2445,  
0.2013


 69.8221, 0.2639,  
0.2329

 15.9505, 0.2344,  
0.1859


 92.2184, 0.2682,  
0.2403

 9.4892, 0.2212,  
0.1668


118.9550, 0.2718,  
0.2466

 5.0616, 0.2032,  
0.1425

150.4161, 0.2749,  
0.2522

 2.2834, 0.1779,  
0.1114

186.9862, 0.2775,  
0.2570

 0.7649, 0.1413,  
0.0719

229.0496, 0.2798,


 0.0000, 0.0718,


0.2613


0.0000


276.9908, 0.2819,  
0.2651

 0.0000, 0.0000,  
0.0000


 36.5123, 0.2524,  
0.2138


 36.5123, 0.2524,  
0.2138


 27.4626, 0.2332,  
0.1796


 47.5487, 0.2705,  
0.2471


 20.2763, 0.2136,  
0.1463


 60.6768, 0.2869,  
0.2783


 14.8229, 0.1951,  
0.1161

 75.9990, 0.3015,  
0.3066

 10.9527, 0.1787,  
0.0915

 93.6100, 0.3142,  
0.3320

 8.4899, 0.1659,  
0.0741

 99.3726, 0.3185,  
0.3386

■ 7.1845, 0.1572,  
0.0644

■ 7.0654, 0.1563,  
0.0635

# Harmonies

## Analogous

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



36.5123, 0.2007, 0.2105



36.5123, 0.2524, 0.2138



36.5123, 0.3280, 0.2400

# Triad

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



36.5123, 0.2524, 0.2138



36.5123, 0.4670, 0.3978



36.5123, 0.2189, 0.3722

# Complementary

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



36.5123, 0.2524, 0.2138



84.1786, 0.3595, 0.4293

# 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.



36.5123, 0.2827, 0.4496



36.5123, 0.2524, 0.2138



36.5123, 0.4267, 0.4505

# Square

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



36.5123, 0.2524, 0.2138



36.5123, 0.4623, 0.3394



36.5123, 0.3588, 0.4769



36.5123, 0.1828, 0.2895



# Rectangle

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



36.5123, 0.2524, 0.2138



36.5123, 0.3832, 0.2680



36.5123, 0.3588, 0.4769



36.5123, 0.2376, 0.4011

# Sweetspot

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



36.5137, 0.2524, 0.2138



77.4918, 0.2970, 0.2977



69.2118, 0.2561, 0.3103



16.1089, 0.2951, 0.2941



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.



36.5137, 0.2524, 0.2138



31.5822, 0.2364, 0.1853



42.6099, 0.2902, 0.2251



16.0602, 0.3005, 0.3047



3.8460, 0.1573, 0.0640



0.3756, 0.1675, 0.0696



# Inverse Universe

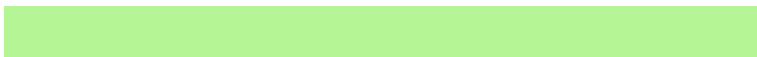
The Inverse Universe completely reimagines the original color for something new.



46.8942, 0.3309, 0.2474



44.6228, 0.3359, 0.2309



77.4140, 0.3268, 0.4409



16.7178, 0.3164, 0.3095



12.8226, 0.3685, 0.1803

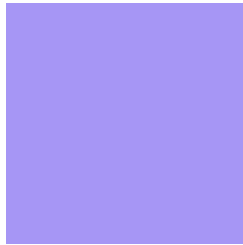


1.1394, 0.3615, 0.1765



# Previews

## White Background



This preview shows how the Yxy color 36.5123, 0.2524, 0.2138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

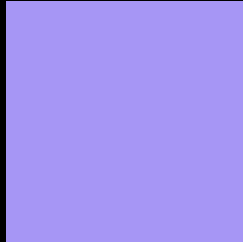
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.5123, 0.2524, 0.2138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

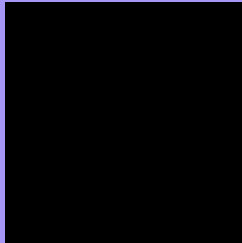
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.5123, 0.2524, 0.2138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.5123, 0.2524, 0.2138.



This preview shows how white text looks on a background with the Yxy color 36.5123, 0.2524, 0.2138.

# 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

36.5123, 0.2524, 0.2138

### Protanopia

36.8227, 0.2253, 0.2116

### Deuteranopia

36.7635, 0.2305, 0.2247



## Tritanopia

36.4006, 0.2910, 0.3101

# Trichromacy



## Original Color

36.5123, 0.2524, 0.2138

## Protanomaly

36.4298, 0.2342, 0.2117

## Deuteranomaly

36.5875, 0.2376, 0.2207

## Tritanomaly

36.2286, 0.2756, 0.2701

# Monochromacy



## Original Color

36.5123, 0.2524, 0.2138

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.1887, 0.2887, 0.2814

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.5123, 0.2524, 0.2138 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(166, 150, 245)` looks like.

```
.text, #text, p{  
    color:rgb(166, 150, 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(166, 150, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 150, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 36.5123, 0.2524, 0.2138 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(166, 150, 245) }
```

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

```
.border{ border-color:rgb(166, 150, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 150, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 150, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 150, 245);  
box-shadow:4px 4px 4px 4px rgb(166, 150,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.5123, 0.2524, 0.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 150, 245) }
```

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

```
.background{ background-color: rgb(166,  
150, 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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