

# Converting Colors

$Yxy(65.5669, 0.2539, 0.3054)$

Have a look what the booklet for  
Yxy(65.5669, 0.2539, 0.3054)  
contains.

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# Color

**Yxy(65.3574, 0.2539, 0.3050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92DFF3
RGB	146, 223, 243
RGB Percent	57%, 87%, 95%
CMY	0.4277, 0.1254, 0.0472
CMYK	0.40, 0.08, 0.00, 0.05
HSL	192°, 80%, 76%
HSV	192°, 40%, 95%
XYZ	54.4074, 65.3574, 94.5218
YIQ	202.2570, -52.3120, -10.1040

# Conversions

## Conversions Part 2

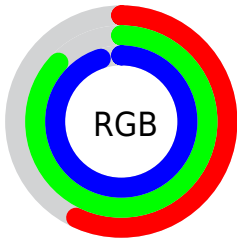
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 189, 243
Decimal	9625587
CIE Lab	84.67, -18.76, -17.22
CIE LCh	85, 25.466, 222.561
Yxy	65.3574, 0.2539, 0.3050
Android (android.graphics.Color)	4287815667 (0xFF92DFF3)
YUV	202.2570, 20.0863, -49.3374
Hunter-Lab	80.8439, -21.3477, -12.7305

# Details

The Yxy color **65.3574, 0.2539, 0.3050** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.3577, 0.4050, 0.3512**, and the grayscale version is **59.1203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **33.7668, 0.2405, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **60.7347, 0.2415, 0.2979**, and if you desaturate by 10%, it is **70.5371, 0.2676, 0.3117**.

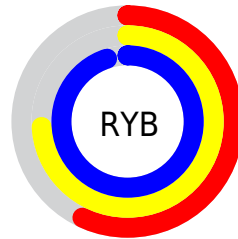
# Distribution



Red (57%)

Green (87%)

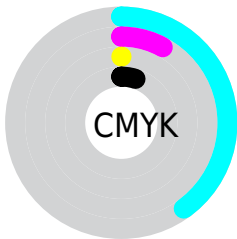
Blue (95%)



Red (57%)

Yellow (74%)

Blue (95%)

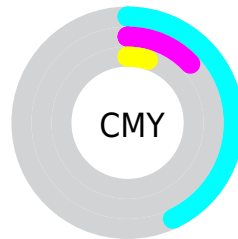


Cyan (40%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (43%)

Magenta (13%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3574, 0.2539, 0.3050 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 65.3574, 0.2539, 0.3050 by changing the saturation by 10% instead.




 65.3574, 0.2539,  
0.3050


 65.3574, 0.2539,  
0.3050


444.0752, 0.2810,  
0.3169

 47.7509, 0.2478,  
0.3021


 112.5635, 0.2633,  
0.3093

 33.6297, 0.2402,  
0.2985


 142.9320, 0.2669,  
0.3109

 22.6093, 0.2307,  
0.2937


178.3233, 0.2701,  
0.3122

 14.3053, 0.2184,  
0.2873

219.1217, 0.2728,  
0.3134

 8.3333, 0.2020,  
0.2782

265.7117, 0.2752,  
0.3145

 4.3089, 0.1790,  
0.2645

318.4777, 0.2774,

 1.8478, 0.1451,

0.3154

0.2417

377.8041, 0.2793,  
0.3162

0.5167, 0.0130,  
0.2018

0.0000, 0.0000,  
0.0000

65.3574, 0.2539,  
0.3050

65.3574, 0.2539,  
0.3050

60.7347, 0.2415,  
0.2979

70.5371, 0.2676,  
0.3117

56.6303, 0.2306,  
0.2905

76.2945, 0.2822,  
0.3180

53.0126, 0.2215,  
0.2830

82.6581, 0.2973,  
0.3238

49.8421, 0.2143,  
0.2754

89.6524, 0.3128,  
0.3290

■ 47.0723, 0.2092,  
0.2678

■ 94.8672, 0.3202,  
0.3339

■ 44.6261, 0.2057,  
0.2603

■ 97.9812, 0.3198,  
0.3386

■ 44.6114, 0.2056,  
0.2603

■ 99.2496, 0.3197,  
0.3405

# Harmonies

## Analogous

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



65.3574, 0.2661, 0.3341



65.3574, 0.2539, 0.3050



65.3574, 0.2564, 0.2846

# Triad

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



65.3574, 0.2539, 0.3050



65.3574, 0.3333, 0.2978



65.3574, 0.3518, 0.3847

# Complementary

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



65.3574, 0.2539, 0.3050



48.3577, 0.4050, 0.3512

# 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.



65.3574, 0.3717, 0.3712



65.3574, 0.2539, 0.3050



65.3574, 0.3611, 0.3214

# Square

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



65.3574, 0.2539, 0.3050



65.3574, 0.3009, 0.2817



65.3574, 0.3754, 0.3478



65.3574, 0.3220, 0.3825



# Rectangle

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



65.3574, 0.2539, 0.3050



65.3574, 0.2662, 0.2778



65.3574, 0.3754, 0.3478



65.3574, 0.3600, 0.3817

# Sweetspot

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



65.3599, 0.2539, 0.3050



90.7014, 0.2941, 0.3226



72.9213, 0.2969, 0.4270



19.2104, 0.2921, 0.3219



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

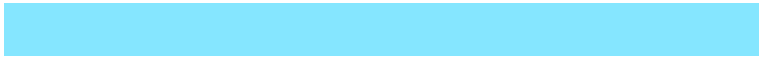


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3599, 0.2539, 0.3050



68.6711, 0.2436, 0.2992



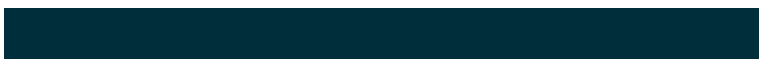
43.2534, 0.2443, 0.2438



18.1451, 0.2980, 0.3240



24.6891, 0.2060, 0.2615



2.3124, 0.2086, 0.2709



# Inverse Universe

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



44.9172, 0.3349, 0.2485



43.6292, 0.3409, 0.2330



69.1482, 0.3839, 0.4013



16.7065, 0.3169, 0.3104



12.5918, 0.3810, 0.1872

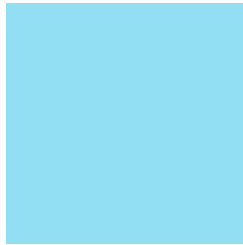


1.1211, 0.3720, 0.1823



# Previews

## White Background



This preview shows how the Yxy color 65.3574, 0.2539, 0.3050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

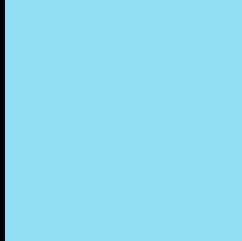
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3574, 0.2539, 0.3050 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 65.3574, 0.2539, 0.3050**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3574, 0.2539, 0.3050.

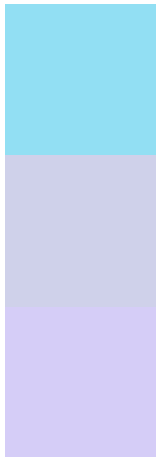


This preview shows how white text looks on a background with the Yxy color 65.3574, 0.2539, 0.3050.

# 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

65.3574, 0.2539, 0.3050

### Protanopia

64.8068, 0.2945, 0.3011

### Deuteranopia

64.5242, 0.2903, 0.2836



## Tritanopia

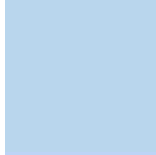
65.1460, 0.2544, 0.3072

# Trichromacy



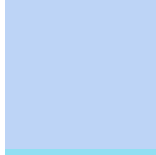
## Original Color

65.3574, 0.2539, 0.3050



## Protanomaly

64.5218, 0.2782, 0.3025



## Deuteranomaly

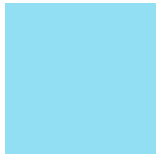
64.5596, 0.2753, 0.2906



## Tritanomaly

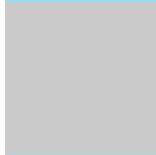
65.2059, 0.2539, 0.3061

# Monochromacy



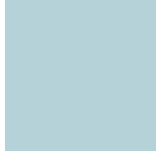
## Original Color

65.3574, 0.2539, 0.3050



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.0480, 0.2881, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3574, 0.2539, 0.3050 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(146, 223, 243)` looks like.

```
.text, #text, p{  
    color:rgb(146, 223, 243)  
}
```

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(146, 223, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 223, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3574, 0.2539, 0.3050 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(146, 223, 243) }
```

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

```
.border{ border-color:rgb(146, 223, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 223, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 223, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 223, 243);  
box-shadow:4px 4px 4px 4px rgb(146, 223,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3574, 0.2539, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 223, 243) }
```

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

```
.background{ background-color: rgb(146,  
223, 243) }
```

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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