

# Converting Colors

$Yxy(74.3180, 0.2583, 0.3063)$

Have a look what the booklet for  
Yxy(74.3180, 0.2583, 0.3063)  
contains.

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# Color

**Yxy(74.3180, 0.2583, 0.3063)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2EBFF
RGB	162, 235, 255
RGB Percent	64%, 92%, 100%
CMY	0.3643, 0.0785, 0.0000
CMYK	0.36, 0.08, 0.00, 0.00
HSL	193°, 100%, 82%
HSV	193°, 36%, 100%
XYZ	62.6717, 74.3180, 105.6417
YIQ	215.4530, -49.9280, -9.2560

# Conversions

## Conversions Part 2

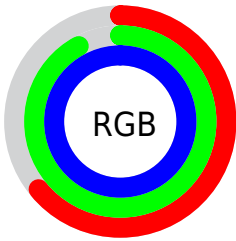
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 203, 255
Decimal	10677247
CIELab	89.07, -17.71, -16.84
CIELCh	89, 24.433, 223.555
Yxy	74.3180, 0.2583, 0.3063
Android (android.graphics.Color)	4288867327 (0xFFA2EBFF)
YUV	215.4530, 19.4967, -46.8783
Hunter-Lab	86.2079, -21.0973, -12.3102

# Details

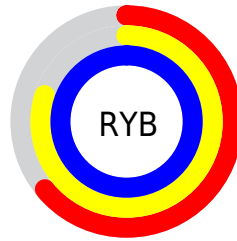
The Yxy color **74.3180, 0.2583, 0.3063** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3689, 0.3939, 0.3503**, and the grayscale version is **68.1835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **39.3816, 0.2463, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **68.8179, 0.2453, 0.2990**, and if you desaturate by 10%, it is **80.4625, 0.2724, 0.3132**.

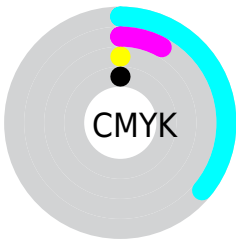
# Distribution



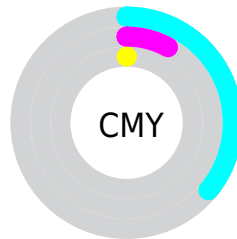
- Red (64%)
- Green (92%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3180, 0.2583, 0.3063 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 74.3180, 0.2583, 0.3063 by changing the saturation by 10% instead.



 74.3180, 0.2583,  
0.3063


 74.3180, 0.2583,  
0.3063


475.5702, 0.2829,  
0.3172

 55.0544, 0.2529,  
0.3037


 125.3465, 0.2667,  
0.3102

 39.4452, 0.2462,  
0.3005


 157.8801, 0.2700,  
0.3116

 27.1063, 0.2379,  
0.2964


195.6059, 0.2729,  
0.3129

 17.6531, 0.2273,  
0.2909

238.9081, 0.2754,  
0.3140

 10.7012, 0.2134,  
0.2833

288.1713, 0.2776,  
0.3150

 5.8663, 0.1942,  
0.2722

343.7798, 0.2795,

 2.7639, 0.1665,

0.3158

0.2545

406.1179, 0.2813,  
0.3166

■ 1.0098, 0.1166,  
0.2253

■ 0.0000, 0.0000,  
0.0000

■ 74.3180, 0.2583,  
0.3063

■ 74.3180, 0.2583,  
0.3063

■ 68.8179, 0.2453,  
0.2990

■ 80.4625, 0.2724,  
0.3132

■ 63.9197, 0.2337,  
0.2913

■ 87.2736, 0.2874,  
0.3196

■ 59.5889, 0.2238,  
0.2834

■ 94.7831, 0.3027,  
0.3255

■ 55.7833, 0.2158,  
0.2754

99.9995, 0.3127,  
0.3290

■ 52.4536, 0.2099,  
0.2674

■ 49.5383, 0.2058,  
0.2595

■ 48.5651, 0.2046,  
0.2567

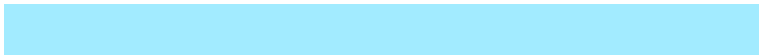
# Harmonies

## Analogous

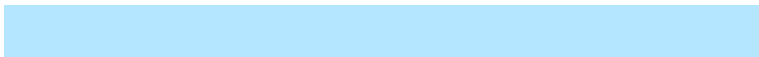
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3180, 0.2692, 0.3329



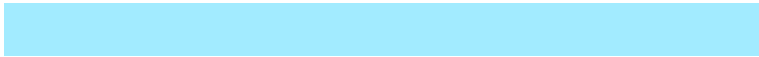
74.3180, 0.2583, 0.3063



74.3180, 0.2611, 0.2877

# Triad

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



74.3180, 0.2583, 0.3063



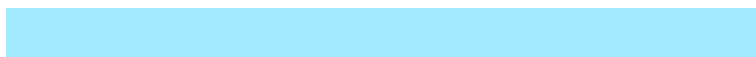
74.3180, 0.3326, 0.3008



74.3180, 0.3480, 0.3804

# Complementary

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



74.3180, 0.2583, 0.3063



57.3689, 0.3939, 0.3503

# 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.



74.3180, 0.3666, 0.3686



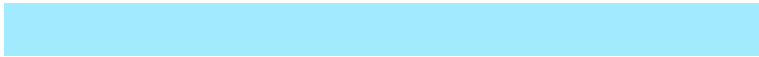
74.3180, 0.2583, 0.3063



74.3180, 0.3578, 0.3229

# Square

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



74.3180, 0.2583, 0.3063



74.3180, 0.3029, 0.2857



74.3180, 0.3704, 0.3473

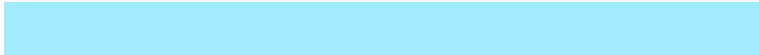


74.3180, 0.3204, 0.3776

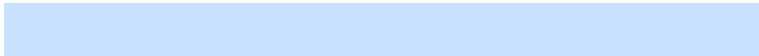


# Rectangle

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



74.3180, 0.2583, 0.3063



74.3180, 0.2704, 0.2817



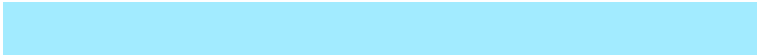
74.3180, 0.3704, 0.3473



74.3180, 0.3555, 0.3778

# Sweetspot

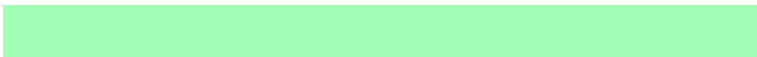
The Sweet Spot groups the original color and five complimentary colors.



74.3209, 0.2583, 0.3063



91.2691, 0.2957, 0.3229



82.5298, 0.2981, 0.4171



19.3179, 0.2936, 0.3221



0.0000, 0.0000, 0.0000

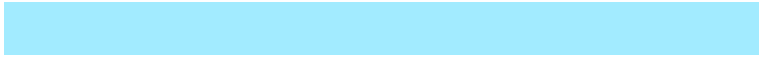


21.4041, 0.3127, 0.3290

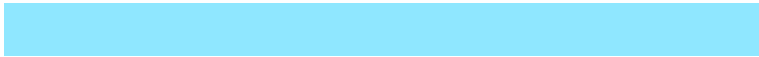


# Same Dimension

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



74.3209, 0.2583, 0.3063



70.1029, 0.2483, 0.3008



51.7238, 0.2506, 0.2523



19.7784, 0.2980, 0.3238



25.6059, 0.2050, 0.2580



2.6504, 0.2075, 0.2670



# Inverse Universe

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



53.1314, 0.3333, 0.2561



46.6053, 0.3389, 0.2414



78.8769, 0.3770, 0.3951



18.2294, 0.3171, 0.3105



13.3129, 0.3844, 0.1891

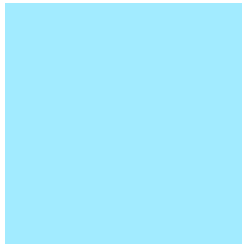


1.3121, 0.3757, 0.1843



# Previews

## White Background



This preview shows how the Yxy color 74.3180, 0.2583, 0.3063 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

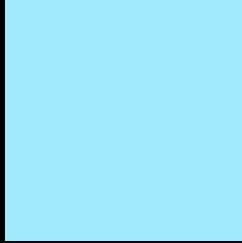
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3180, 0.2583, 0.3063 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 74.3180, 0.2583, 0.3063**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3180, 0.2583, 0.3063.

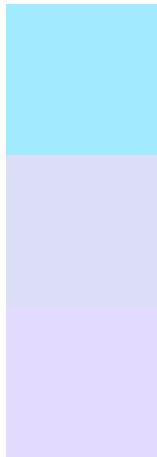


This preview shows how white text looks on a background with the Yxy color 74.3180, 0.2583, 0.3063.

# 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

74.3180, 0.2583, 0.3063

### Protanopia

73.5824, 0.2961, 0.3026

### Deuteranopia

73.6937, 0.2952, 0.2908



## Tritanopia

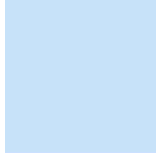
74.2538, 0.2587, 0.3074

# Trichromacy



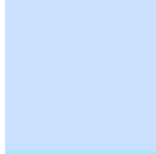
## Original Color

74.3180, 0.2583, 0.3063



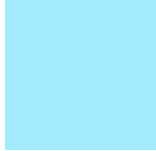
## Protanomaly

73.3744, 0.2810, 0.3039



## Deuteranomaly

73.2278, 0.2800, 0.2957



## Tritanomaly

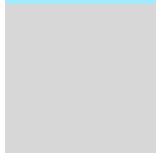
74.2538, 0.2587, 0.3074

# Monochromacy



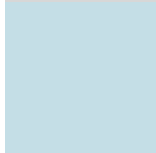
## Original Color

74.3180, 0.2583, 0.3063



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.6915, 0.2900, 0.3199

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3180, 0.2583, 0.3063 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(162, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 235, 255)  
}
```

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(162, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 235, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3180, 0.2583, 0.3063 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(162, 235, 255) }
```

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

```
.border{ border-color:rgb(162, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 235,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3180, 0.2583, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 235, 255) }
```

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

```
.background{ background-color: rgb(162,  
235, 255) }
```

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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