

# Converting Colors

$Yxy(76.6109, 0.2484, 0.2769)$

Have a look what the booklet for  
Yxy(76.6109, 0.2484, 0.2769)  
contains.

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# **Color**

**Yxy(74.5007, 0.2617, 0.3054)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9EAFF
RGB	169, 234, 255
RGB Percent	66%, 92%, 100%
CMY	0.3370, 0.0824, 0.0001
CMYK	0.34, 0.08, 0.00, 0.00
HSL	195°, 100%, 83%
HSV	195°, 34%, 100%
XYZ	63.8403, 74.5007, 105.6036
YIQ	216.9590, -45.4810, -7.2490

# Conversions

## Conversions Part 2

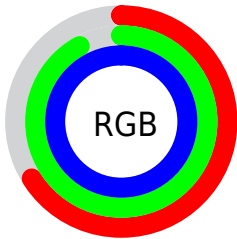
Format	Color
R <sub>Y</sub> B	169, 206, 255
Decimal	11135743
CIE Lab	89.16, -15.39, -16.66
CIE LCh	89, 22.683, 227.277
Yxy	74.5007, 0.2617, 0.3054
Android (android.graphics.Color)	4289325823 (0xFFA9EAFF)
YUV	216.9590, 18.7542, -42.0600
Hunter-Lab	86.3138, -19.0251, -12.1208

# Details

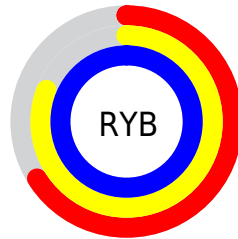
The Yxy color **74.5007, 0.2617, 0.3054** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9656, 0.3849, 0.3512**, and the grayscale version is **69.2593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **39.4954, 0.2507, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **68.4688, 0.2480, 0.2972**, and if you desaturate by 10%, it is **81.2130, 0.2763, 0.3131**.

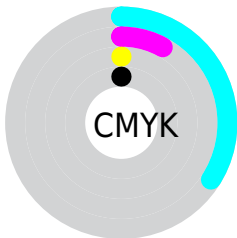
# Distribution



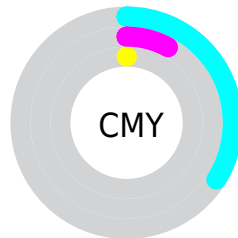
- Red (66%)
- Green (92%)
- Blue (100%)



- Red (66%)
- Yellow (81%)
- Blue (100%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5007, 0.2617, 0.3054 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 74.5007, 0.2617, 0.3054 by changing the saturation by 10% instead.




 74.5007, 0.2617,  
0.3054

 74.5007, 0.2617,  
0.3054


476.1997, 0.2848,  
0.3167

 55.2039, 0.2566,  
0.3028

 125.6053, 0.2696,  
0.3094

 39.5650, 0.2503,  
0.2995


158.1820, 0.2727,  
0.3109

 27.1996, 0.2425,  
0.2953


195.9541, 0.2754,  
0.3122

 17.7232, 0.2326,  
0.2897

239.3060, 0.2777,  
0.3133

 10.7514, 0.2194,  
0.2821

288.6221, 0.2798,  
0.3143

 5.8999, 0.2012,  
0.2710

344.2868, 0.2816,

 2.7843, 0.1747,

0.3152

0.2534

406.6845, 0.2833,  
0.3160

■ 1.0202, 0.1291,  
0.2240

■ 0.0000, 0.0000,  
0.0000

■ 74.5007, 0.2617,  
0.3054

■ 74.5007, 0.2617,  
0.3054

■ 68.4688, 0.2480,  
0.2972

■ 81.2130, 0.2763,  
0.3131

■ 63.0751, 0.2357,  
0.2885

■ 88.6276, 0.2915,  
0.3203

■ 58.2859, 0.2249,  
0.2795

■ 96.7761, 0.3070,  
0.3268

■ 54.0600, 0.2159,  
0.2703

■ 99.9986, 0.3127,  
0.3290

■ 50.3499, 0.2090,  
0.2611

■ 47.0980, 0.2041,  
0.2520

■ 45.2326, 0.2018,  
0.2463

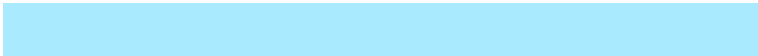
# Harmonies

## Analogous

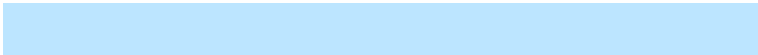
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5007, 0.2704, 0.3294



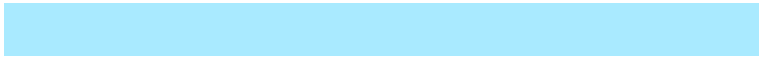
74.5007, 0.2617, 0.3054



74.5007, 0.2659, 0.2892

# Triad

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



74.5007, 0.2617, 0.3054



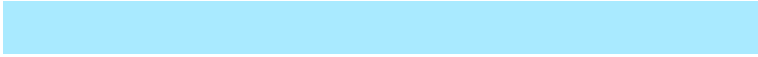
74.5007, 0.3345, 0.3051



74.5007, 0.3426, 0.3771

# Complementary

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



74.5007, 0.2617, 0.3054



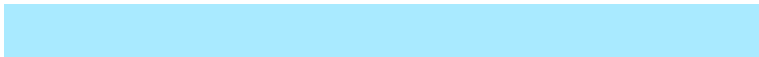
60.9656, 0.3849, 0.3512

# 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.



74.5007, 0.3612, 0.3678



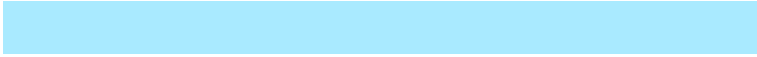
74.5007, 0.2617, 0.3054



74.5007, 0.3567, 0.3262

# Square

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



74.5007, 0.2617, 0.3054



74.5007, 0.3071, 0.2899



74.5007, 0.3666, 0.3489

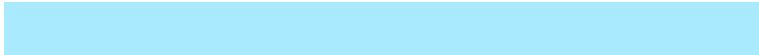


74.5007, 0.3165, 0.3726



# Rectangle

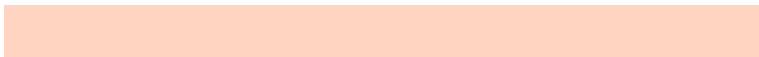
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5007, 0.2617, 0.3054



74.5007, 0.2756, 0.2845



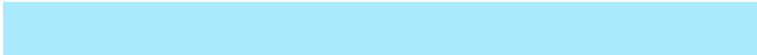
74.5007, 0.3666, 0.3489



74.5007, 0.3500, 0.3753

# Sweetspot

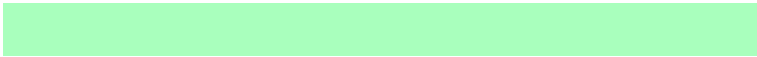
The Sweet Spot groups the original color and five complimentary colors.



74.5036, 0.2617, 0.3054



91.5716, 0.2972, 0.3227



83.6261, 0.2976, 0.4058



19.3594, 0.2950, 0.3218



0.0000, 0.0000, 0.0000

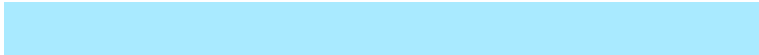


21.4041, 0.3127, 0.3290

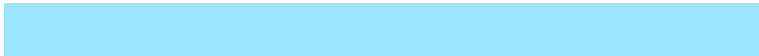


# Same Dimension

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



74.5036, 0.2617, 0.3054



70.6374, 0.2530, 0.3003



53.3452, 0.2552, 0.2556



19.6857, 0.2980, 0.3231



23.8857, 0.2022, 0.2478



2.4962, 0.2051, 0.2582



# Inverse Universe

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



55.5929, 0.3335, 0.2638



49.7608, 0.3385, 0.2517



81.8728, 0.3707, 0.3928



18.2201, 0.3176, 0.3112



13.1392, 0.3944, 0.1946

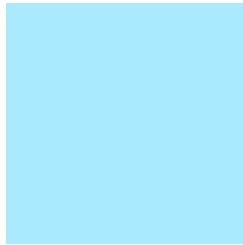


1.2965, 0.3842, 0.1890



# Previews

## White Background



This preview shows how the Yxy color 74.5007, 0.2617, 0.3054 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

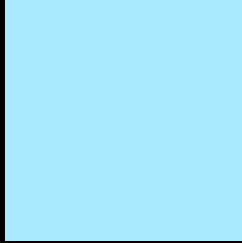
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5007, 0.2617, 0.3054 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 74.5007, 0.2617, 0.3054**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5007, 0.2617, 0.3054.

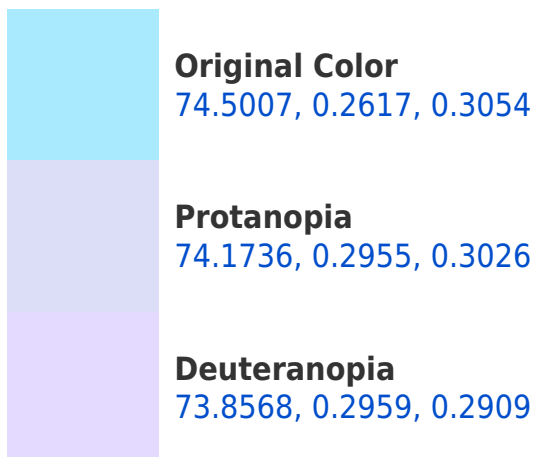


This preview shows how white text looks on a background with the Yxy color 74.5007, 0.2617, 0.3054.

# 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

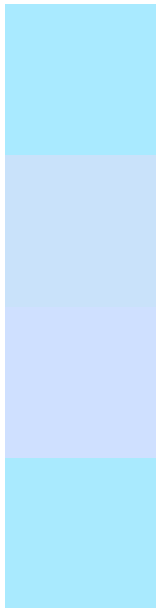




## Tritanopia

74.3725, 0.2626, 0.3075

# Trichromacy



**Original Color**

74.5007, 0.2617, 0.3054

**Protanomaly**

73.7123, 0.2817, 0.3030

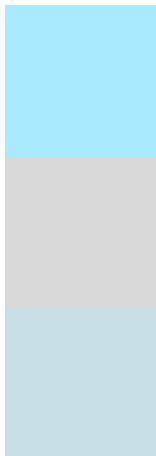
**Deuteranomaly**

73.7967, 0.2825, 0.2959

**Tritanomaly**

74.4364, 0.2622, 0.3065

# Monochromacy



**Original Color**

74.5007, 0.2617, 0.3054

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.8242, 0.2920, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5007, 0.2617, 0.3054 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(169, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 234, 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(169, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5007, 0.2617, 0.3054 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(169, 234, 255) }
```

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

```
.border{ border-color:rgb(169, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5007, 0.2617, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 234, 255) }
```

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

```
.background{ background-color: rgb(169,  
234, 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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