

# Converting Colors

$Y_{xy}(74.9291, 0.2517, 0.3131)$

Have a look what the booklet for  
Yxy(74.9291, 0.2517, 0.3131)  
contains.

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# Color

**Yxy(74.7541, 0.2514, 0.3127)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90EFFF
RGB	144, 239, 253
RGB Percent	56%, 94%, 99%
CMY	0.4353, 0.0627, 0.0078
CMYK	0.43, 0.06, 0.00, 0.01
HSL	188°, 96%, 78%
HSV	188°, 43%, 99%
XYZ	60.0997, 74.7541, 104.2063
YIQ	212.1910, -61.1140, -15.7860

# Conversions

## Conversions Part 2

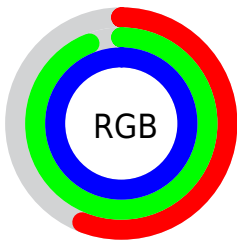
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 195, 253
Decimal	9498621
CIELab	89.28, -24.63, -15.58
CIELCh	89, 29.143, 212.321
Yxy	74.7541, 0.2514, 0.3127
Android (android.graphics.Color)	4287688701 (0xFF90E9FD)
YUV	212.1910, 20.1188, -59.8035
Hunter-Lab	86.4605, -27.2283, -10.9368

# Details

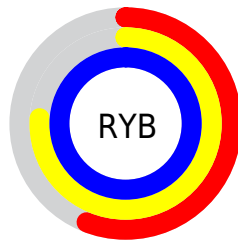
The Yxy color **74.7541, 0.2514, 0.3127** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3608, 0.4198, 0.3441**, and the grayscale version is **65.8683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **39.7838, 0.2381, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **70.8402, 0.2403, 0.3083**, and if you desaturate by 10%, it is **79.2185, 0.2640, 0.3169**.

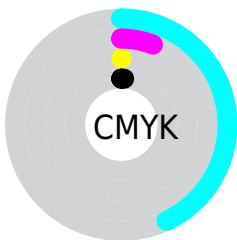
# Distribution



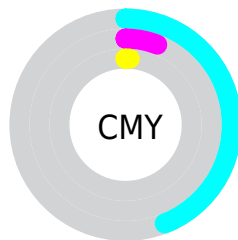
- Red (56%)
- Green (94%)
- Blue (99%)



- Red (56%)
- Yellow (76%)
- Blue (99%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)




- Cyan (44%)
- Magenta (6%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7541, 0.2514, 0.3127 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 74.7541, 0.2514, 0.3127 by changing the saturation by 10% instead.





 74.7541, 0.2514,  
0.3127

 74.7541, 0.2514,  
0.3127


477.0720, 0.2790,  
0.3209

 55.4115, 0.2453,  
0.3107


 125.9642, 0.2608,  
0.3156

 39.7313, 0.2379,  
0.3082


 158.6005, 0.2645,  
0.3168

 27.3291, 0.2287,  
0.3049

196.4368, 0.2677,  
0.3177

 17.8205, 0.2169,  
0.3004

239.8574, 0.2705,  
0.3185

 10.8212, 0.2015,  
0.2941

289.2469, 0.2730,  
0.3192

 5.9467, 0.1805,  
0.2846

344.9895, 0.2752,

 2.8127, 0.1505,

0.3198

407.4698, 0.2772,  
0.3204

0.2690

1.0348, 0.0887,  
0.2447

0.0000, 0.0000,  
0.0000

74.7541, 0.2514,  
0.3127

74.7541, 0.2514,  
0.3127

70.8402, 0.2403,  
0.3083

79.2185, 0.2640,  
0.3169

67.4336, 0.2310,  
0.3038

84.2564, 0.2778,  
0.3209

64.4980, 0.2236,  
0.2992

89.8994, 0.2926,  
0.3246

61.9886, 0.2182,  
0.2946

96.1747, 0.3079,  
0.3280

■ 59.8505, 0.2147,  
0.2901

99.8732, 0.3139,  
0.3309

■ 58.5348, 0.2131,  
0.2870

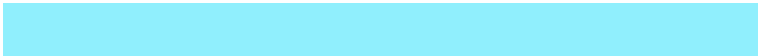
# Harmonies

## Analogous

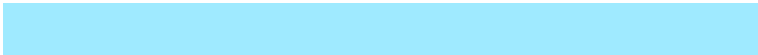
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7541, 0.2696, 0.3461



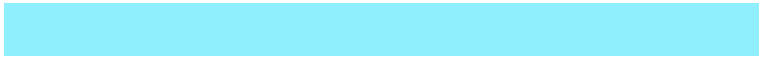
74.7541, 0.2514, 0.3127



74.7541, 0.2487, 0.2865

# Triad

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



74.7541, 0.2514, 0.3127



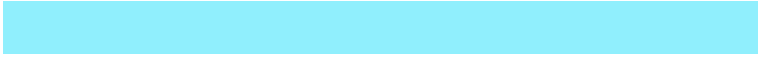
74.7541, 0.3231, 0.2879



74.7541, 0.3645, 0.3865

# Complementary

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



74.7541, 0.2514, 0.3127



47.3608, 0.4198, 0.3441

# 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.



74.7541, 0.3809, 0.3669



74.7541, 0.2514, 0.3127



74.7541, 0.3565, 0.3112

# Square

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



74.7541, 0.2514, 0.3127



74.7541, 0.2884, 0.2742



74.7541, 0.3781, 0.3395



74.7541, 0.3345, 0.3908

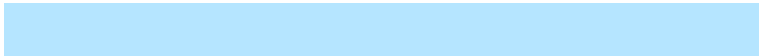


# Rectangle

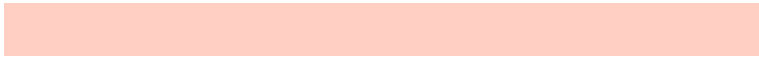
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7541, 0.2514, 0.3127



74.7541, 0.2557, 0.2761



74.7541, 0.3781, 0.3395



74.7541, 0.3718, 0.3813

# Sweetspot

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



74.7570, 0.2514, 0.3127



91.5562, 0.2927, 0.3246



78.6181, 0.3003, 0.4480



19.3134, 0.2894, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

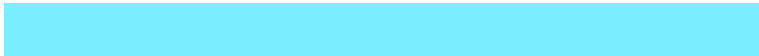


# Same Dimension

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



74.7570, 0.2514, 0.3127



72.5063, 0.2414, 0.3088



48.0529, 0.2403, 0.2470



20.0593, 0.2980, 0.3259



31.2846, 0.2133, 0.2877



3.1525, 0.2147, 0.2929



# Inverse Universe

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



47.0656, 0.3297, 0.2349



41.4476, 0.3340, 0.2174



69.6032, 0.3944, 0.3984



18.2578, 0.3158, 0.3085



13.8862, 0.3564, 0.1737

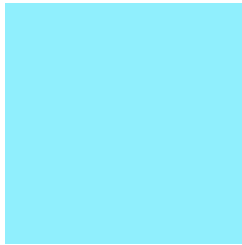


1.3628, 0.3517, 0.1711



# Previews

## White Background



This preview shows how the Yxy color 74.7541, 0.2514, 0.3127 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

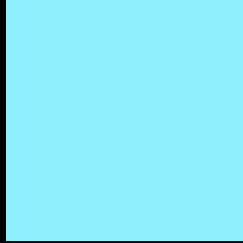
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7541, 0.2514, 0.3127 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 74.7541, 0.2514, 0.3127**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7541, 0.2514, 0.3127.

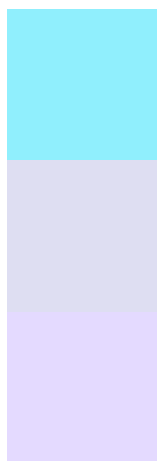


This preview shows how white text looks on a background with the Yxy color 74.7541, 0.2514, 0.3127.

# 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

74.7541, 0.2514, 0.3127

### Protanopia

74.1830, 0.2999, 0.3079

### Deuteranopia

73.8568, 0.2959, 0.2909



## Tritanopia

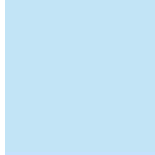
74.5607, 0.2542, 0.3084

# Trichromacy



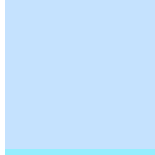
## Original Color

74.7541, 0.2514, 0.3127



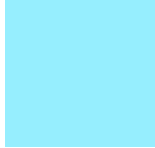
## Protanomaly

73.6100, 0.2798, 0.3091



## Deuteranomaly

73.4188, 0.2770, 0.2986



## Tritanomaly

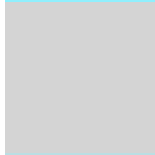
74.7889, 0.2535, 0.3106

# Monochromacy



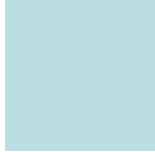
## Original Color

74.7541, 0.2514, 0.3127



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.3534, 0.2859, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7541, 0.2514, 0.3127 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(144, 239, 253)` looks like.

```
.text, #text, p{  
    color:rgb(144, 239, 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(144, 239, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 239, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7541, 0.2514, 0.3127 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(144, 239, 253) }
```

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

```
.border{ border-color:rgb(144, 239, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 239, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 239, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 239, 253);  
box-shadow:4px 4px 4px 4px rgb(144, 239,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7541, 0.2514, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 239, 253) }
```

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

```
.background{ background-color: rgb(144,  
239, 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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