

# Converting Colors

$Yxy(76.3034, 0.2507, 0.3140)$

Have a look what the booklet for  
Yxy(76.3034, 0.2507, 0.3140)  
contains.

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# Color

**Yxy(76.5639, 0.2507, 0.3140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FF2FF
RGB	143, 242, 255
RGB Percent	56%, 95%, 100%
CMY	0.4391, 0.0510, 0.0001
CMYK	0.44, 0.05, 0.00, 0.00
HSL	187°, 100%, 78%
HSV	187°, 44%, 100%
XYZ	61.1292, 76.5639, 106.1410
YIQ	213.8810, -63.1770, -16.9450

# Conversions

## Conversions Part 2

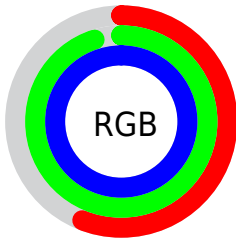
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 196, 255
Decimal	9433855
CIELab	90.12, -25.82, -15.34
CIELCh	90, 30.037, 210.712
Yxy	76.5639, 0.2507, 0.3140
Android (android.graphics.Color)	4287623935 (0xFF8FF2FF)
YUV	213.8810, 20.2717, -62.1626
Hunter-Lab	87.5008, -28.4240, -10.6699

# Details

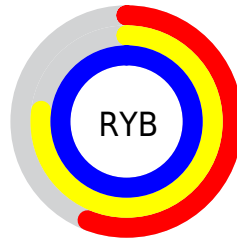
The Yxy color **76.5639, 0.2507, 0.3140** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0154, 0.4236, 0.3429**, and the grayscale version is **67.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **41.0798, 0.2376, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **72.7990, 0.2399, 0.3100**, and if you desaturate by 10%, it is **80.8802, 0.2631, 0.3178**.

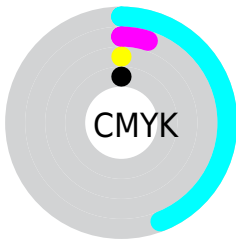
# Distribution



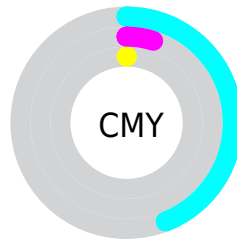
- Red (56%)
- Green (95%)
- Blue (100%)



- Red (56%)
- Yellow (77%)
- Blue (100%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5639, 0.2507, 0.3140 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 76.5639, 0.2507, 0.3140 by changing the saturation by 10% instead.




 76.5639, 0.2507,  
0.3140

 76.5639, 0.2507,  
0.3140


483.2758, 0.2785,  
0.3216

 56.8950, 0.2446,  
0.3121


 128.5237, 0.2601,  
0.3167

 40.9210, 0.2372,  
0.3098


 161.5834, 0.2639,  
0.3178

 28.2573, 0.2280,  
0.3067


199.8755, 0.2671,  
0.3186

 18.5197, 0.2163,  
0.3026

243.7844, 0.2699,  
0.3194

 11.3238, 0.2010,  
0.2967

293.6945, 0.2724,  
0.3200

 6.2850, 0.1802,  
0.2878

349.9902, 0.2747,

 3.0192, 0.1507,

0.3206

0.2733

413.0558, 0.2767,  
0.3211

1.1418, 0.0950,  
0.2497

0.0133, 0.0000,  
0.0121

76.5639, 0.2507,  
0.3140

76.5639, 0.2507,  
0.3140

72.7990, 0.2399,  
0.3100

80.8802, 0.2631,  
0.3178

69.5411, 0.2309,  
0.3060

85.7714, 0.2767,  
0.3214

66.7530, 0.2239,  
0.3019

91.2700, 0.2913,  
0.3248

64.3882, 0.2188,  
0.2978

97.4036, 0.3066,  
0.3279

■ 62.3900, 0.2156,  
0.2938

99.9983, 0.3127,  
0.3290

■ 61.3026, 0.2143,  
0.2913

# Harmonies

## Analogous

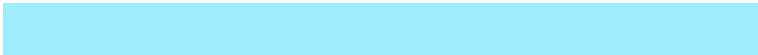
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5639, 0.2701, 0.3483



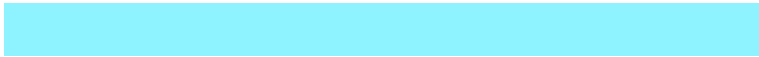
76.5639, 0.2507, 0.3140



76.5639, 0.2470, 0.2867

# Triad

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



76.5639, 0.2507, 0.3140



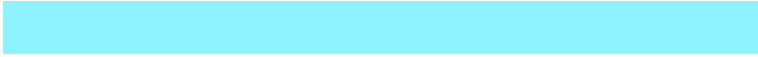
76.5639, 0.3213, 0.2860



76.5639, 0.3669, 0.3870

# Complementary

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



76.5639, 0.2507, 0.3140



47.0154, 0.4236, 0.3429

# 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.



76.5639, 0.3828, 0.3663



76.5639, 0.2507, 0.3140



76.5639, 0.3558, 0.3094

# Square

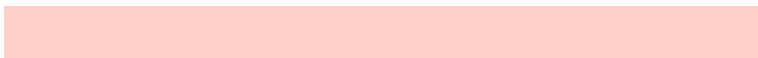
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5639, 0.2507, 0.3140



76.5639, 0.2861, 0.2727



76.5639, 0.3789, 0.3381



76.5639, 0.3368, 0.3925

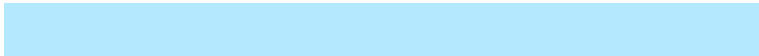


# Rectangle

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



76.5639, 0.2507, 0.3140



76.5639, 0.2537, 0.2756



76.5639, 0.3789, 0.3381



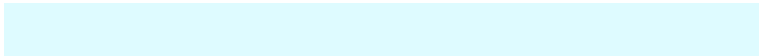
76.5639, 0.3742, 0.3814

# Sweetspot

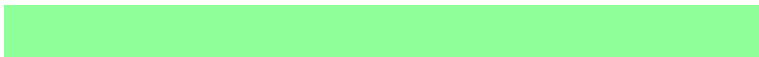
The Sweet Spot groups the original color and five complimentary colors.



76.5669, 0.2507, 0.3140



91.8198, 0.2927, 0.3251



79.6861, 0.3010, 0.4531



19.3792, 0.2894, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

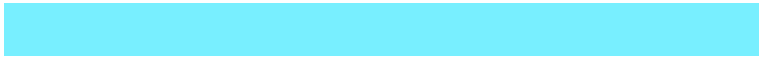


# Same Dimension

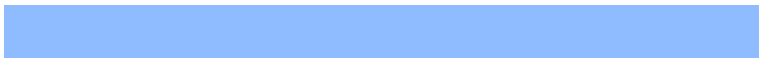
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5669, 0.2507, 0.3140



73.1353, 0.2408, 0.3104



48.9442, 0.2392, 0.2474



20.1008, 0.2980, 0.3262



32.1825, 0.2144, 0.2920



3.2311, 0.2157, 0.2966



# Inverse Universe

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



47.3194, 0.3288, 0.2319



40.9091, 0.3329, 0.2142



69.4289, 0.3971, 0.3980



18.2620, 0.3156, 0.3082



13.9768, 0.3525, 0.1716

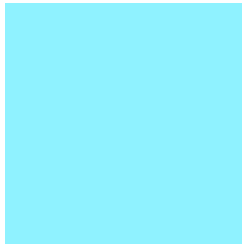


1.3707, 0.3484, 0.1693



# Previews

## White Background



This preview shows how the Yxy color 76.5639, 0.2507, 0.3140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

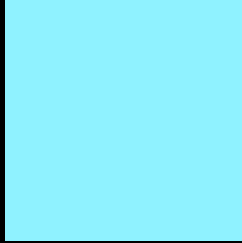
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.5639, 0.2507, 0.3140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

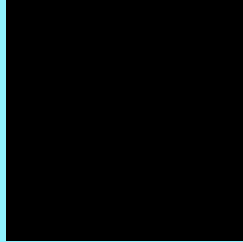
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.5639, 0.2507, 0.3140**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.5639, 0.2507, 0.3140.

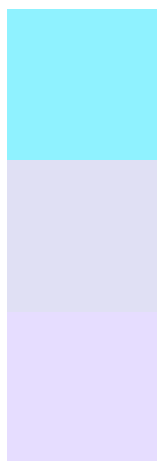


This preview shows how white text looks on a background with the Yxy color 76.5639, 0.2507, 0.3140.

# 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

76.5639, 0.2507, 0.3140

### Protanopia

75.6903, 0.3000, 0.3080

### Deuteranopia

75.7559, 0.2973, 0.2942



## Tritanopia

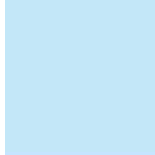
76.6344, 0.2589, 0.3109

# Trichromacy



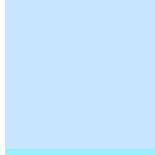
## Original Color

76.5639, 0.2507, 0.3140



## Protanomaly

75.5312, 0.2795, 0.3104



## Deuteranomaly

75.2644, 0.2773, 0.3009



## Tritanomaly

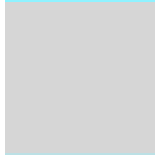
76.5087, 0.2557, 0.3119

# Monochromacy



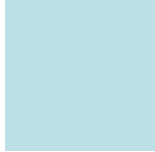
## Original Color

76.5639, 0.2507, 0.3140



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.6598, 0.2855, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.5639, 0.2507, 0.3140 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(143, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 242, 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(143, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 242, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.5639, 0.2507, 0.3140 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(143, 242, 255) }
```

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

```
.border{ border-color:rgb(143, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(143, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 242,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.5639, 0.2507, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 242, 255) }
```

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

```
.background{ background-color: rgb(143,  
242, 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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