

# Converting Colors

$Yxy(77.4114, 0.2615, 0.3143)$

Have a look what the booklet for  
Yxy(77.4114, 0.2615, 0.3143)  
contains.

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# Color

**Yxy(77.4114, 0.2615, 0.3143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F0FD
RGB	165, 240, 253
RGB Percent	65%, 94%, 99%
CMY	0.3529, 0.0588, 0.0078
CMYK	0.35, 0.05, 0.00, 0.01
HSL	189°, 96%, 82%
HSV	189°, 35%, 99%
XYZ	64.4069, 77.4114, 104.4795
YIQ	219.0570, -48.8730, -11.8570

# Conversions

## Conversions Part 2

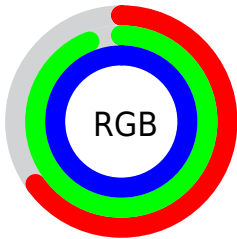
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 205, 253
Decimal	10875133
CIE <sub>Lab</sub>	90.51, -19.93, -13.63
CIE <sub>LCh</sub>	91, 24.140, 214.369
Yxy	77.4114, 0.2615, 0.3143
Android (android.graphics.Color)	4289065213 (0xFFA5F0FD)
YUV	219.0570, 16.7339, -47.4080
Hunter-Lab	87.9837, -23.3039, -8.8175

# Details

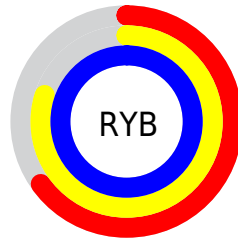
The Yxy color **77.4114, 0.2615, 0.3143** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.4422, 0.3912, 0.3430**, and the grayscale version is **70.7891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **41.5177, 0.2504, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **72.7862, 0.2490, 0.3094**, and if you desaturate by 10%, it is **82.6246, 0.2753, 0.3189**.

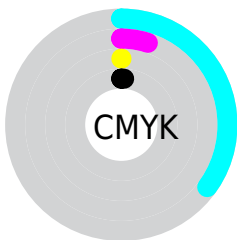
# Distribution



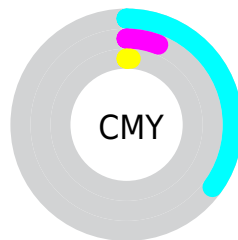
- Red (65%)
- Green (94%)
- Blue (99%)



- Red (65%)
- Yellow (80%)
- Blue (99%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)




- Cyan (35%)
- Magenta (6%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4114, 0.2615, 0.3143 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 77.4114, 0.2615, 0.3143 by changing the saturation by 10% instead.




 77.4114, 0.2615,  
0.3143


 77.4114, 0.2615,  
0.3143

486.1656, 0.2845,  
0.3215

 57.5906, 0.2564,  
0.3126


 129.7201, 0.2693,  
0.3169

 41.4796, 0.2502,  
0.3104


 162.9767, 0.2724,  
0.3178

 28.6940, 0.2425,  
0.3076


201.4807, 0.2751,  
0.3187

 18.8495, 0.2327,  
0.3039

245.6165, 0.2775,  
0.3194

 11.5616, 0.2197,  
0.2987

295.7685, 0.2795,  
0.3200

 6.4459, 0.2020,  
0.2909

352.3211, 0.2814,

 3.1181, 0.1762,

0.3206

0.2783

415.6586, 0.2830,  
0.3211

■ 1.1937, 0.1330,  
0.2563

■ 0.0565, 0.0000,  
0.0527

■ 77.4114, 0.2615,  
0.3143

■ 77.4114, 0.2615,  
0.3143

■ 72.7862, 0.2490,  
0.3094

■ 82.6246, 0.2753,  
0.3189

■ 68.7079, 0.2379,  
0.3043

■ 88.4462, 0.2900,  
0.3233

■ 65.1440, 0.2287,  
0.2990

■ 94.9065, 0.3053,  
0.3272

■ 62.0546, 0.2214,  
0.2937

99.8440, 0.3139,  
0.3309

■ 59.3934, 0.2160,  
0.2884

99.8722, 0.3139,  
0.3309

■ 57.1033, 0.2125,  
0.2832

■ 56.0135, 0.2112,  
0.2805

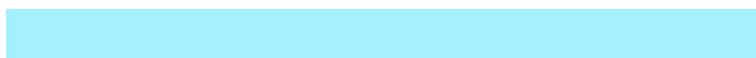
# Harmonies

## Analogous

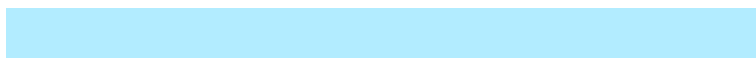
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4114, 0.2759, 0.3412



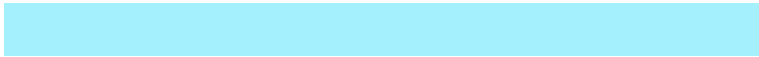
77.4114, 0.2615, 0.3143



77.4114, 0.2601, 0.2932

# Triad

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



77.4114, 0.2615, 0.3143



77.4114, 0.3234, 0.2961



77.4114, 0.3539, 0.3769

# Complementary

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



77.4114, 0.2615, 0.3143



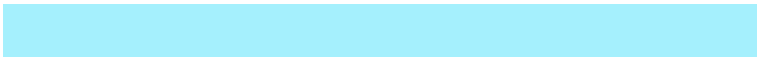
55.4422, 0.3912, 0.3430

# 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.



77.4114, 0.3681, 0.3620



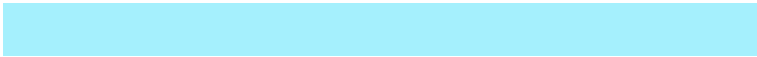
77.4114, 0.2615, 0.3143



77.4114, 0.3501, 0.3160

# Square

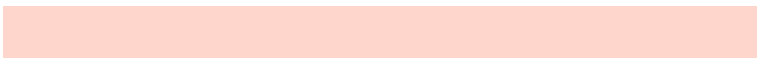
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



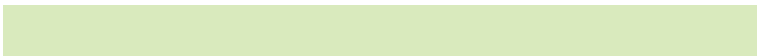
77.4114, 0.2615, 0.3143



77.4114, 0.2947, 0.2840



77.4114, 0.3668, 0.3397

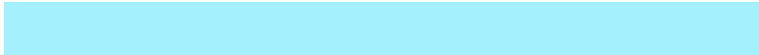


77.4114, 0.3289, 0.3788

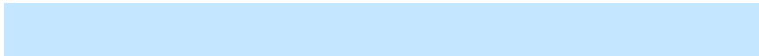


# Rectangle

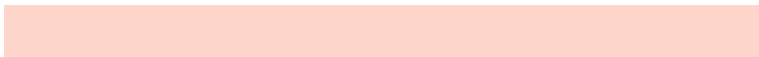
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4114, 0.2615, 0.3143



77.4114, 0.2666, 0.2849



77.4114, 0.3668, 0.3397



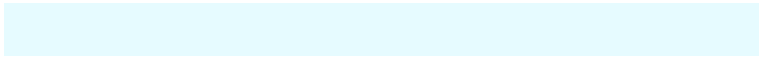
77.4114, 0.3601, 0.3731

# Sweetspot

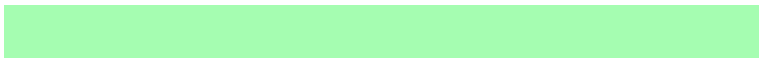
The Sweet Spot groups the original color and five complimentary colors.



77.4145, 0.2615, 0.3143



93.1002, 0.2972, 0.3252



81.4176, 0.3017, 0.4196



19.7312, 0.2951, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

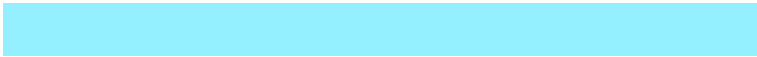


# Same Dimension

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



77.4145, 0.2615, 0.3143



75.3435, 0.2523, 0.3108



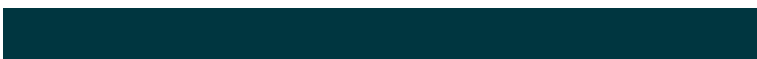
55.1466, 0.2547, 0.2636



19.9971, 0.2980, 0.3254



29.9653, 0.2115, 0.2813



3.0366, 0.2131, 0.2873



# Inverse Universe

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



54.0859, 0.3272, 0.2539



48.6509, 0.3310, 0.2388



75.1748, 0.3757, 0.3865



18.2515, 0.3161, 0.3090



13.7530, 0.3623, 0.1769

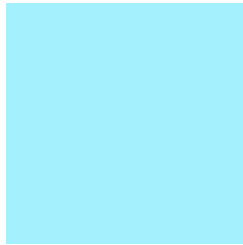


1.3511, 0.3568, 0.1739



# Previews

## White Background



This preview shows how the Yxy color 77.4114, 0.2615, 0.3143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

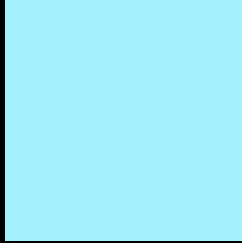
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4114, 0.2615, 0.3143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

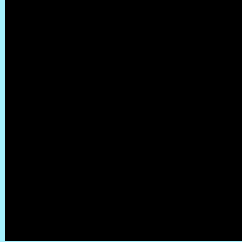
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.4114, 0.2615, 0.3143**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4114, 0.2615, 0.3143.

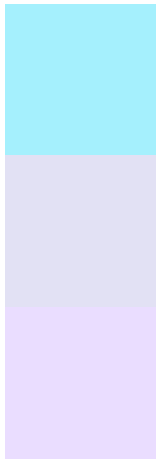


This preview shows how white text looks on a background with the Yxy color 77.4114, 0.2615, 0.3143.

# 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

77.4114, 0.2615, 0.3143

### Protanopia

76.5508, 0.3014, 0.3092

### Deuteranopia

76.4253, 0.2999, 0.2945



## Tritanopia

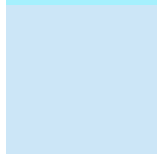
77.4830, 0.2654, 0.3101

# Trichromacy



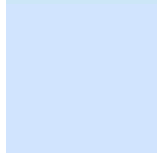
## Original Color

77.4114, 0.2615, 0.3143



## Protanomaly

76.1464, 0.2855, 0.3106



## Deuteranomaly

76.1979, 0.2845, 0.3014



## Tritanomaly

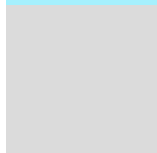
77.5467, 0.2639, 0.3122

# Monochromacy



## Original Color

77.4114, 0.2615, 0.3143



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.8498, 0.2915, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4114, 0.2615, 0.3143 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(165, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(165, 240, 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(165, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 240, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4114, 0.2615, 0.3143 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(165, 240, 253) }
```

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

```
.border{ border-color:rgb(165, 240, 253) }
```

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

Here you see how a box with a 4 pixel rgb(165, 240, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 240, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 240, 253);  
box-shadow:4px 4px 4px 4px rgb(165, 240,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4114, 0.2615, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 240, 253) }
```

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

```
.background{ background-color: rgb(165,  
240, 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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