

# Converting Colors

$Y_{xy}(72.8455, 0.2545, 0.3059)$

Have a look what the booklet for  
Yxy(72.8455, 0.2545, 0.3059)  
contains.

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# Color

**Yxy(72.8714, 0.2546, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AEAFE
RGB	154, 234, 254
RGB Percent	60%, 92%, 100%
CMY	0.3963, 0.0823, 0.0039
CMYK	0.39, 0.08, 0.00, 0.00
HSL	192°, 98%, 80%
HSV	192°, 39%, 100%
XYZ	60.6309, 72.8714, 104.6395
YIQ	212.3600, -54.1000, -10.7400

# Conversions

## Conversions Part 2

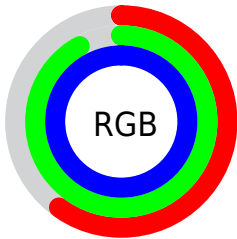
Format	Color
<a href="#">RYB</a>	<a href="#">154, 198, 254</a>
Decimal	<a href="#">10152702</a>
CIELab	<a href="#">88.39, -19.52, -17.39</a>
CIELCh	<a href="#">88, 26.147, 221.691</a>
Yxy	<a href="#">72.8714, 0.2546, 0.3060</a>
Android (android.graphics.Color)	<a href="#">4288342782</a> ( <a href="#">0xFF9AEAFE</a> )
YUV	<a href="#">212.3600, 20.5285, -51.1817</a>
Hunter-Lab	<a href="#">85.3647, -22.6074, -12.9220</a>

# Details

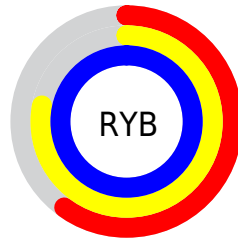
The Yxy color **72.8714, 0.2546, 0.3060** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.6514, 0.4038, 0.3504**, and the grayscale version is **65.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **38.4134, 0.2417, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **67.7923, 0.2421, 0.2991**, and if you desaturate by 10%, it is **78.5661, 0.2683, 0.3125**.

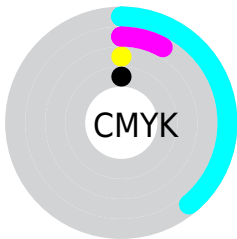
# Distribution



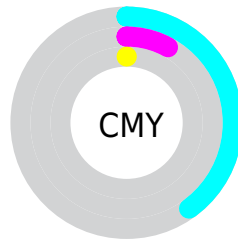
- Red (60%)
- Green (92%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8714, 0.2546, 0.3060 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 72.8714, 0.2546, 0.3060 by changing the saturation by 10% instead.



 72.8714, 0.2546,  
0.3060

 72.8714, 0.2546,  
0.3060

470.5690, 0.2809,  
0.3172

 53.8708, 0.2488,  
0.3033

 123.2946, 0.2636,  
0.3100

 38.4984, 0.2416,  
0.3000


 155.4861, 0.2671,  
0.3115

 26.3697, 0.2328,  
0.2957


192.8432, 0.2702,  
0.3128

 17.1004, 0.2214,  
0.2900

235.7505, 0.2729,  
0.3139

 10.3061, 0.2065,  
0.2820

284.5924, 0.2752,  
0.3149

 5.6024, 0.1860,  
0.2702

339.7531, 0.2773,

 2.6049, 0.1564,

0.3157

0.2514

401.6172, 0.2792,  
0.3165

0.9291, 0.0968,  
0.2216

0.0000, 0.0000,  
0.0000

72.8714, 0.2546,  
0.3060

72.8714, 0.2546,  
0.3060

67.7923, 0.2421,  
0.2991

78.5661, 0.2683,  
0.3125

63.2862, 0.2312,  
0.2920

84.8993, 0.2829,  
0.3186

59.3177, 0.2221,  
0.2847

91.9027, 0.2982,  
0.3242

55.8435, 0.2150,  
0.2773

99.4992, 0.3133,  
0.3293

■ 52.8120, 0.2098,  
0.2699

99.9361, 0.3133,  
0.3299

■ 50.1444, 0.2064,  
0.2627

■ 49.9885, 0.2062,  
0.2622

# Harmonies

## Analogous

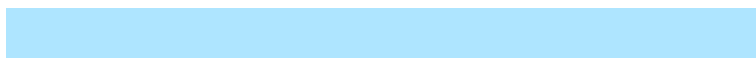
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8714, 0.2671, 0.3350



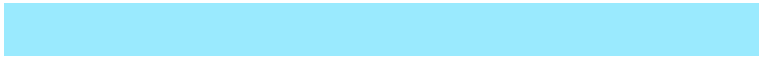
72.8714, 0.2546, 0.3060



72.8714, 0.2567, 0.2854

# Triad

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



72.8714, 0.2546, 0.3060



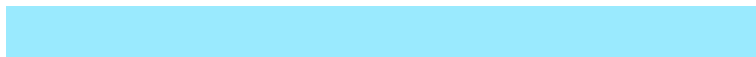
72.8714, 0.3322, 0.2975



72.8714, 0.3522, 0.3840

# Complementary

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



72.8714, 0.2546, 0.3060



53.6514, 0.4038, 0.3504

# 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.



72.8714, 0.3715, 0.3702



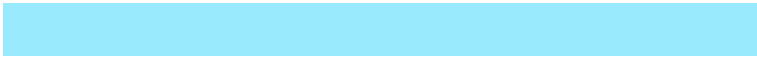
72.8714, 0.2546, 0.3060



72.8714, 0.3599, 0.3208

# Square

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



72.8714, 0.2546, 0.3060



72.8714, 0.3002, 0.2818



72.8714, 0.3746, 0.3469

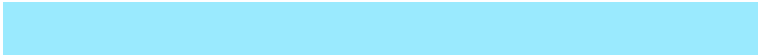


72.8714, 0.3228, 0.3823

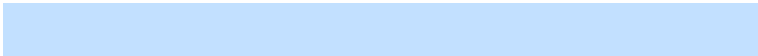


# Rectangle

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



72.8714, 0.2546, 0.3060



72.8714, 0.2661, 0.2785



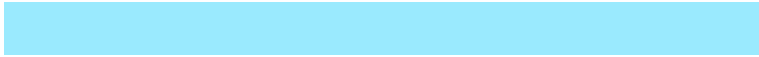
72.8714, 0.3746, 0.3469



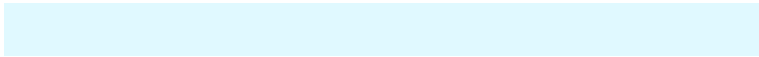
72.8714, 0.3601, 0.3809

# Sweetspot

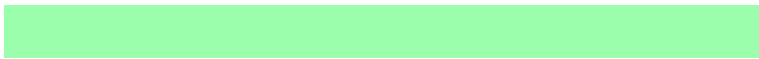
The Sweet Spot groups the original color and five complimentary colors.



72.8742, 0.2546, 0.3060



90.8122, 0.2941, 0.3228



80.7417, 0.2979, 0.4277



19.2366, 0.2921, 0.3221



0.0000, 0.0000, 0.0000

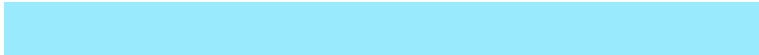


21.4041, 0.3127, 0.3290

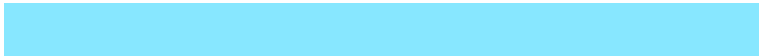


# Same Dimension

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



72.8742, 0.2546, 0.3060



69.5653, 0.2450, 0.3008



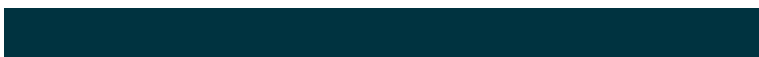
48.9836, 0.2455, 0.2470



19.8285, 0.2980, 0.3241



26.5675, 0.2065, 0.2634



2.7361, 0.2088, 0.2717



# Inverse Universe

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



50.1066, 0.3341, 0.2488



44.4024, 0.3395, 0.2342



75.8160, 0.3836, 0.3989



18.2345, 0.3169, 0.3102



13.4100, 0.3791, 0.1862

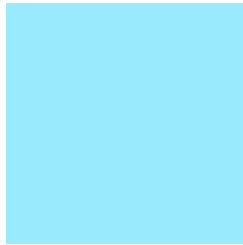


1.3208, 0.3712, 0.1818



# Previews

## White Background



This preview shows how the Yxy color 72.8714, 0.2546, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

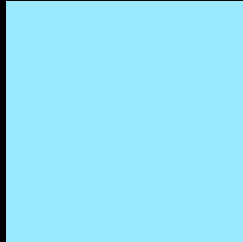
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8714, 0.2546, 0.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

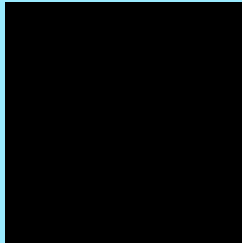
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8714, 0.2546, 0.3060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8714, 0.2546, 0.3060.

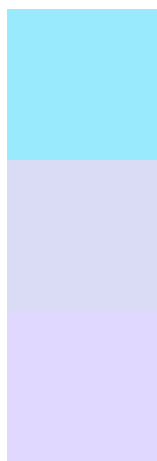


This preview shows how white text looks on a background with the Yxy color 72.8714, 0.2546, 0.3060.

# 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

72.8714, 0.2546, 0.3060

### Protanopia

72.1610, 0.2953, 0.3013

### Deuteranopia

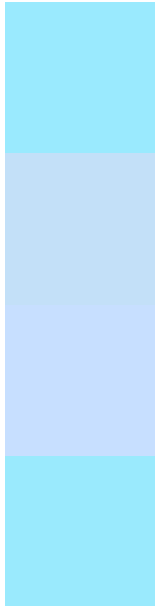
72.1790, 0.2932, 0.2885



## Tritanopia

72.8075, 0.2551, 0.3071

# Trichromacy



**Original Color**

72.8714, 0.2546, 0.3060

**Protanomaly**

71.6907, 0.2790, 0.3025

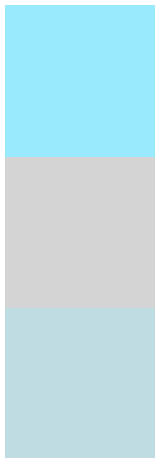
**Deuteranomaly**

72.1375, 0.2774, 0.2943

**Tritanomaly**

72.8075, 0.2551, 0.3071

# Monochromacy



**Original Color**

72.8714, 0.2546, 0.3060

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.8088, 0.2884, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8714, 0.2546, 0.3060 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(154, 234, 254)` looks like.

```
.text, #text, p{  
    color:rgb(154, 234, 254)  
}
```

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(154, 234, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 234, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8714, 0.2546, 0.3060 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(154, 234, 254) }
```

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

```
.border{ border-color:rgb(154, 234, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 234, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 234, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 234, 254);  
box-shadow:4px 4px 4px 4px rgb(154, 234,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8714, 0.2546, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 234, 254) }
```

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

```
.background{ background-color: rgb(154,  
234, 254) }
```

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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