

# Converting Colors

$Yxy(72.8563, 0.2462, 0.2937)$

Have a look what the booklet for  
Yxy(72.8563, 0.2462, 0.2937)  
contains.

|   |    |
|---|----|
| <b>Yxy(72.2687, 0.2509, 0.3047)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(72.2687, 0.2509, 0.3047)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 93EAFF                       |
| RGB         | 147, 234, 255                |
| RGB Percent | 58%, 92%, 100%               |
| CMY         | 0.4233, 0.0824, 0.0001       |
| CMYK        | 0.42, 0.08, 0.00, 0.00       |
| HSL         | 192°, 100%, 79%              |
| HSV         | 192°, 42%, 100%              |
| XYZ         | 59.5084, 72.2687, 105.4027   |
| YIQ         | 210.3810, -58.5930, -11.9130 |

# Conversions

## Conversions Part 2

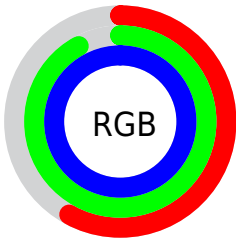
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">147, 195, 255</a>               |
| Decimal                             | <a href="#">9693951</a>                     |
| CIELab                              | <a href="#">88.10, -20.95, -18.37</a>       |
| CIELCh                              | <a href="#">88, 27.864, 221.236</a>         |
| Yxy                                 | <a href="#">72.2687, 0.2509, 0.3047</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4287884031<br/>(0xFF93EAFf)</a> |
| YUV                                 | <a href="#">210.3810, 21.9972, -55.5851</a> |
| Hunter-Lab                          | <a href="#">85.0110, -23.8177, -14.0043</a> |

# Details

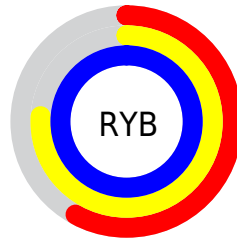
The Yxy color **72.2687, 0.2509, 0.3047** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3801, 0.4138, 0.3513**, and the grayscale version is **64.6012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **38.0419, 0.2372, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **67.3859, 0.2389, 0.2979**, and if you desaturate by 10%, it is **77.7585, 0.2642, 0.3111**.

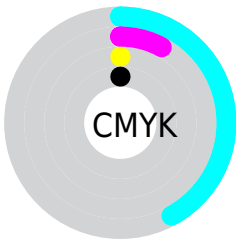
# Distribution



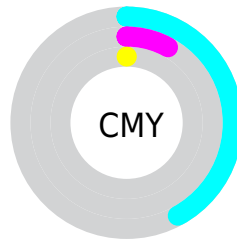
- Red (58%)
- Green (92%)
- Blue (100%)



- Red (58%)
- Yellow (76%)
- Blue (100%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2687, 0.2509, 0.3047 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 72.2687, 0.2509, 0.3047 by changing the saturation by 10% instead.




 72.2687, 0.2509,  
0.3047

 72.2687, 0.2509,  
0.3047


468.4763, 0.2788,  
0.3166

 53.3782, 0.2447,  
0.3019


 122.4385, 0.2604,  
0.3089

 38.1048, 0.2372,  
0.2983


 154.4865, 0.2642,  
0.3105

 26.0640, 0.2278,  
0.2937


191.6893, 0.2675,  
0.3119

 16.8715, 0.2158,  
0.2876

234.4310, 0.2703,  
0.3131

 10.1429, 0.2000,  
0.2790

283.0962, 0.2728,  
0.3141

 5.4938, 0.1784,  
0.2664

338.0692, 0.2750,

 2.5398, 0.1476,

0.3150

399.7344, 0.2770,  
0.3158

0.2463

0.8965, 0.0818,  
0.2153

0.0000, 0.0000,  
0.0000

72.2687, 0.2509,  
0.3047

72.2687, 0.2509,  
0.3047

67.3859, 0.2389,  
0.2979

77.7585, 0.2642,  
0.3111

63.0661, 0.2286,  
0.2909

83.8792, 0.2786,  
0.3172

59.2723, 0.2201,  
0.2838

90.6633, 0.2936,  
0.3228

55.9588, 0.2137,  
0.2766

98.1387, 0.3091,  
0.3279

■ 53.0702, 0.2091,  
0.2695

99.9987, 0.3127,  
0.3290

■ 51.0802, 0.2067,  
0.2641

# Harmonies

## Analogous

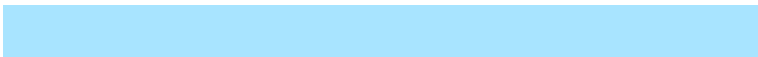
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2687, 0.2643, 0.3358



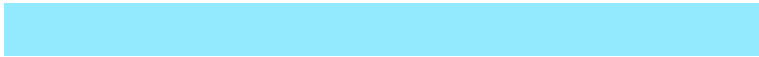
72.2687, 0.2509, 0.3047



72.2687, 0.2529, 0.2827

# Triad

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



72.2687, 0.2509, 0.3047



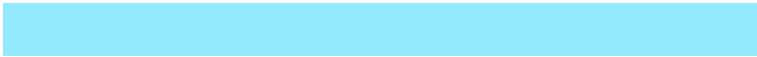
72.2687, 0.3330, 0.2951



72.2687, 0.3552, 0.3876

# Complementary

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



72.2687, 0.2509, 0.3047



51.3801, 0.4138, 0.3513

# 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.



72.2687, 0.3757, 0.3725



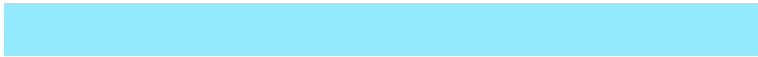
72.2687, 0.2509, 0.3047



72.2687, 0.3628, 0.3197

# Square

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



72.2687, 0.2509, 0.3047



72.2687, 0.2987, 0.2787



72.2687, 0.3788, 0.3475

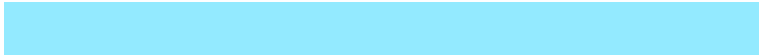


72.2687, 0.3239, 0.3863

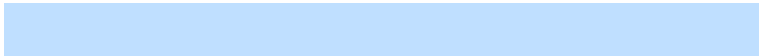


# Rectangle

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



72.2687, 0.2509, 0.3047



72.2687, 0.2627, 0.2753



72.2687, 0.3788, 0.3475



72.2687, 0.3637, 0.3842

# Sweetspot

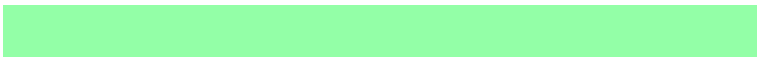
The Sweet Spot groups the original color and five complimentary colors.



72.2715, 0.2509, 0.3047



90.2031, 0.2926, 0.3224



80.4988, 0.2970, 0.4366



18.9763, 0.2893, 0.3212



0.0000, 0.0000, 0.0000

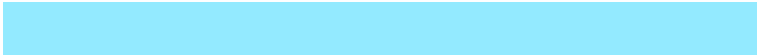


21.4041, 0.3127, 0.3290

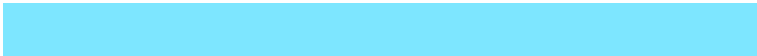


# Same Dimension

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



72.2715, 0.2509, 0.3047



68.0140, 0.2404, 0.2989



46.5660, 0.2401, 0.2396



19.8460, 0.2980, 0.3243



26.9080, 0.2070, 0.2653



2.7664, 0.2093, 0.2734



# Inverse Universe

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



48.0790, 0.3356, 0.2426



41.6120, 0.3417, 0.2264



74.9726, 0.3897, 0.4040



18.2363, 0.3168, 0.3101



13.4443, 0.3773, 0.1852

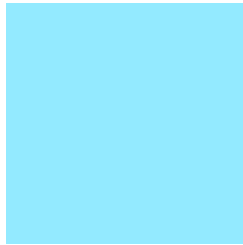


1.3238, 0.3697, 0.1810



# Previews

## White Background



This preview shows how the Yxy color 72.2687, 0.2509, 0.3047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

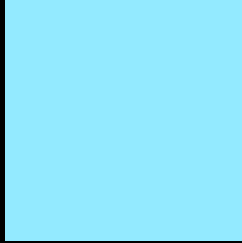
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2687, 0.2509, 0.3047 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 72.2687, 0.2509, 0.3047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2687, 0.2509, 0.3047.

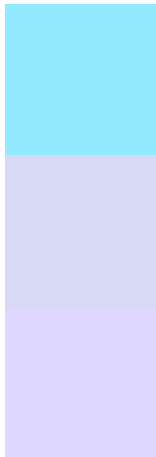


This preview shows how white text looks on a background with the Yxy color 72.2687, 0.2509, 0.3047.

# 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

72.2687, 0.2509, 0.3047

### Protanopia

71.3343, 0.2940, 0.3001

### Deuteranopia

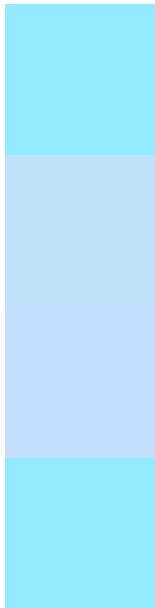
71.3505, 0.2918, 0.2873



## Tritanopia

72.1405, 0.2518, 0.3069

# Trichromacy



**Original Color**

72.2687, 0.2509, 0.3047

**Protanomaly**

71.2272, 0.2760, 0.3013

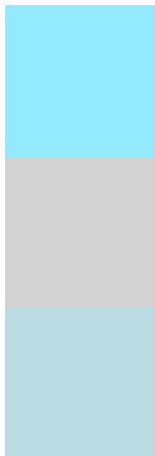
**Deuteranomaly**

71.0647, 0.2749, 0.2930

**Tritanomaly**

72.2044, 0.2513, 0.3058

# Monochromacy



**Original Color**

72.2687, 0.2509, 0.3047

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

66.7188, 0.2864, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2687, 0.2509, 0.3047 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(147, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 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(147, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 234, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2687, 0.2509, 0.3047 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(147, 234, 255) }
```

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

```
.border{ border-color:rgb(147, 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(147, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 234,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2687, 0.2509, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 234, 255) }
```

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

```
.background{ background-color: rgb(147,  
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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