

# Converting Colors

$Yxy(72.5567, 0.2467, 0.3065)$

Have a look what the booklet for  
Yxy(72.5567, 0.2467, 0.3065)  
contains.

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# Color

**Yxy(72.5293, 0.2469, 0.3068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89ECFF
RGB	137, 236, 255
RGB Percent	54%, 93%, 100%
CMY	0.4624, 0.0745, 0.0001
CMYK	0.46, 0.07, 0.00, 0.00
HSL	190°, 100%, 77%
HSV	190°, 46%, 100%
XYZ	58.3686, 72.5293, 105.5079
YIQ	208.5650, -65.1030, -15.0790

# Conversions

## Conversions Part 2

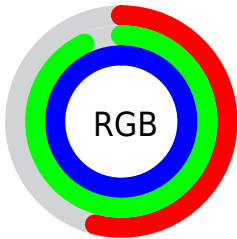
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 191, 255
Decimal	9039103
CIELab	88.22, -24.24, -18.22
CIELCh	88, 30.323, 216.925
Yxy	72.5293, 0.2469, 0.3068
Android (android.graphics.Color)	4287229183 (0xFF89ECFF)
YUV	208.5650, 22.8925, -62.7625
Hunter-Lab	85.1641, -26.6994, -13.8381

# Details

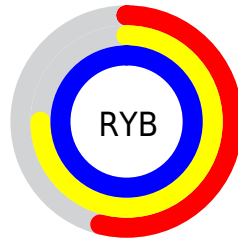
The Yxy color **72.5293, 0.2469, 0.3068** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8635, 0.4295, 0.3491**, and the grayscale version is **63.3560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **38.2975, 0.2326, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **68.2875, 0.2360, 0.3012**, and if you desaturate by 10%, it is **77.3402, 0.2594, 0.3122**.

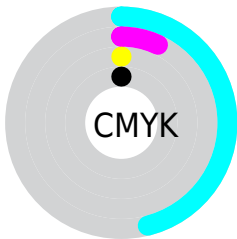
# Distribution



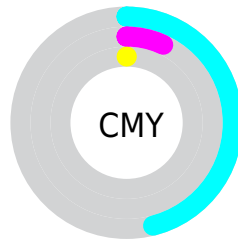
- Red (54%)
- Green (93%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (7%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5293, 0.2469, 0.3068 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 72.5293, 0.2469, 0.3068 by changing the saturation by 10% instead.





 72.5293, 0.2469,  
0.3068


 72.5293, 0.2469,  
0.3068


469.3818, 0.2766,  
0.3178

 53.5912, 0.2403,  
0.3041


 122.8088, 0.2570,  
0.3107

 38.2749, 0.2324,  
0.3008


 154.9189, 0.2610,  
0.3122

 26.1961, 0.2224,  
0.2964


192.1884, 0.2645,  
0.3135

 16.9704, 0.2098,  
0.2906

235.0018, 0.2675,  
0.3146

 10.2134, 0.1932,  
0.2823

283.7435, 0.2702,  
0.3156

 5.5407, 0.1707,  
0.2701

338.7978, 0.2725,

 2.5679, 0.1388,

0.3164

400.5491, 0.2747,  
0.3171

0.2503

0.9105, 0.0664,  
0.2209

0.0000, 0.0000,  
0.0000

72.5293, 0.2469,  
0.3068

72.5293, 0.2469,  
0.3068

68.2875, 0.2360,  
0.3012

77.3402, 0.2594,  
0.3122

64.5696, 0.2268,  
0.2954

82.7450, 0.2731,  
0.3173

61.3369, 0.2196,  
0.2896

88.7770, 0.2878,  
0.3221

58.5408, 0.2143,  
0.2837

95.4644, 0.3030,  
0.3265

■ 56.1207, 0.2109,  
0.2780

99.9983, 0.3127,  
0.3290

■ 55.2729, 0.2100,  
0.2758

# Harmonies

## Analogous

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



72.5293, 0.2636, 0.3415



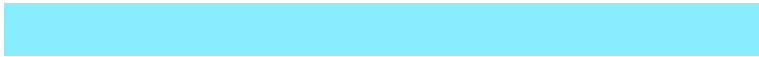
72.5293, 0.2469, 0.3068



72.5293, 0.2466, 0.2812

# Triad

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



72.5293, 0.2469, 0.3068



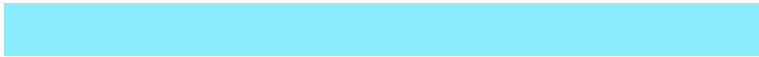
72.5293, 0.3293, 0.2892



72.5293, 0.3629, 0.3913

# Complementary

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



72.5293, 0.2469, 0.3068



46.8635, 0.4295, 0.3491

# 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.



72.5293, 0.3829, 0.3725



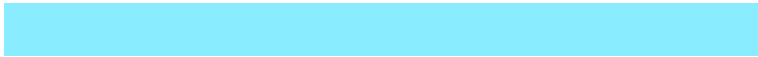
72.5293, 0.2469, 0.3068



72.5293, 0.3633, 0.3146

# Square

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



72.5293, 0.2469, 0.3068



72.5293, 0.2924, 0.2730



72.5293, 0.3833, 0.3445



72.5293, 0.3299, 0.3930

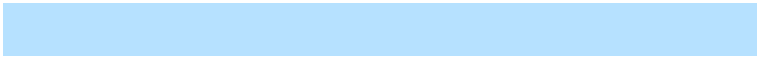


# Rectangle

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



72.5293, 0.2469, 0.3068



72.5293, 0.2557, 0.2719



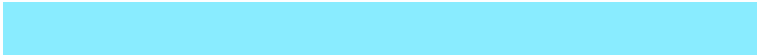
72.5293, 0.3833, 0.3445



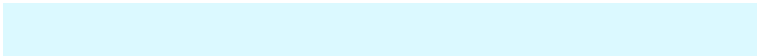
72.5293, 0.3714, 0.3866

# Sweetspot

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



72.5321, 0.2469, 0.3068



90.2341, 0.2911, 0.3231



79.1883, 0.2977, 0.4535



19.0167, 0.2879, 0.3221



0.0000, 0.0000, 0.0000

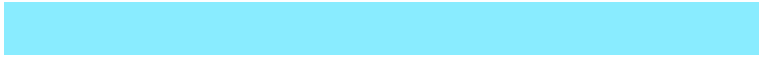


21.4041, 0.3127, 0.3290

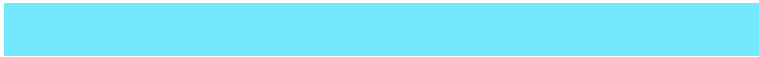


# Same Dimension

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



72.5321, 0.2469, 0.3068



68.7979, 0.2372, 0.3019



44.5238, 0.2338, 0.2347



19.9540, 0.2980, 0.3251



29.0737, 0.2102, 0.2768



2.9581, 0.2121, 0.2834



# Inverse Universe

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



45.2274, 0.3347, 0.2317



39.3146, 0.3400, 0.2157



71.0124, 0.3996, 0.4070



18.2472, 0.3163, 0.3093



13.6630, 0.3664, 0.1792

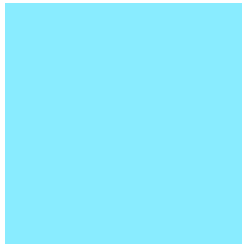


1.3432, 0.3604, 0.1759



# Previews

## White Background



This preview shows how the Yxy color 72.5293, 0.2469, 0.3068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

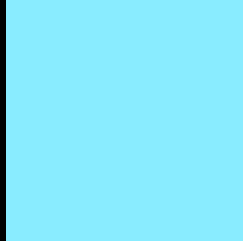
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5293, 0.2469, 0.3068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

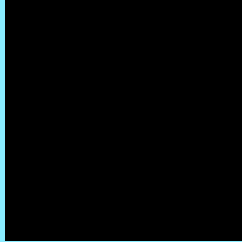
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.5293, 0.2469, 0.3068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5293, 0.2469, 0.3068.

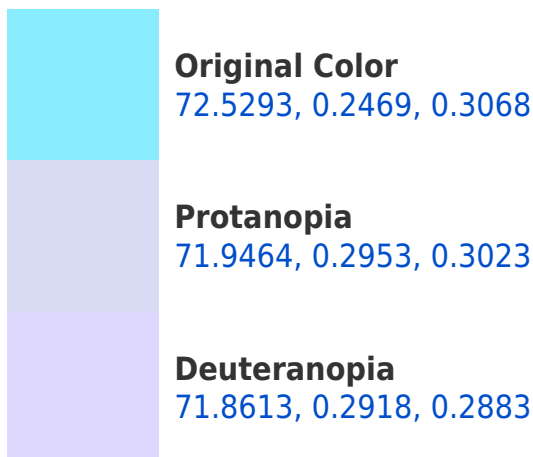


This preview shows how white text looks on a background with the Yxy color 72.5293, 0.2469, 0.3068.

# 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





## Tritanopia

72.5293, 0.2469, 0.3068

# Trichromacy



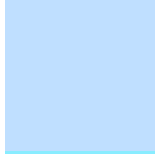
## Original Color

72.5293, 0.2469, 0.3068



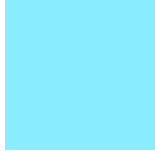
## Protanomaly

71.3191, 0.2748, 0.3034



## Deuteranomaly

71.0717, 0.2726, 0.2939



## Tritanomaly

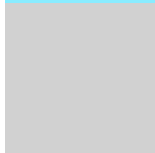
72.5293, 0.2469, 0.3068

# Monochromacy



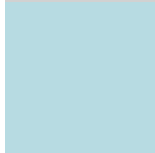
## Original Color

72.5293, 0.2469, 0.3068



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.2213, 0.2838, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5293, 0.2469, 0.3068 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(137, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 236, 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(137, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5293, 0.2469, 0.3068 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(137, 236, 255) }
```

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

```
.border{ border-color:rgb(137, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5293, 0.2469, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 236, 255) }
```

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

```
.background{ background-color: rgb(137,  
236, 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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