

# Converting Colors

$Yxy(72.5017, 0.2502, 0.3069)$

Have a look what the booklet for  
Yxy(72.5017, 0.2502, 0.3069)  
contains.

<b>Yxy(72.5017, 0.2502, 0.3069)</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(72.5017, 0.2502, 0.3069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90EBFE
RGB	144, 235, 254
RGB Percent	56%, 92%, 100%
CMY	0.4350, 0.0785, 0.0040
CMYK	0.43, 0.07, 0.00, 0.00
HSL	190°, 98%, 78%
HSV	190°, 43%, 100%
XYZ	59.1070, 72.5017, 104.6302
YIQ	209.9570, -60.3350, -13.3830

# Conversions

## Conversions Part 2

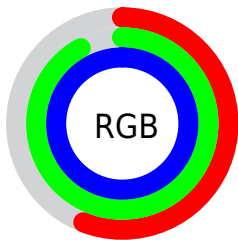
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">144, 194, 254</a>
Decimal	<a href="#">9497598</a>
CIELab	<a href="#">88.21, -22.40, -17.69</a>
CIELCh	<a href="#">88, 28.542, 218.300</a>
Yxy	<a href="#">72.5017, 0.2502, 0.3069</a>
Android (android.graphics.Color)	<a href="#">4287687678</a> ( <a href="#">0xFF90EBFE</a> )
YUV	<a href="#">209.9570, 21.7132, -57.8443</a>
Hunter-Lab	<a href="#">85.1479, -25.0999, -13.2523</a>

# Details

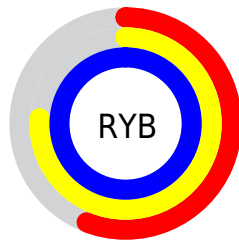
The Yxy color **72.5017, 0.2502, 0.3069** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3036, 0.4181, 0.3493**, and the grayscale version is **64.3162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **38.2027, 0.2362, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **67.9854, 0.2386, 0.3009**, and if you desaturate by 10%, it is **77.6001, 0.2632, 0.3126**.

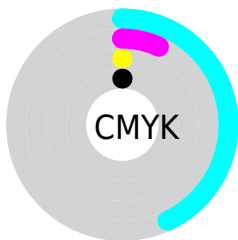
# Distribution



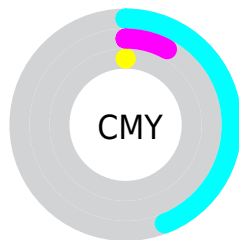
- Red (56%)
- Green (92%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (44%)
- Magenta (8%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5017, 0.2502, 0.3069 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 72.5017, 0.2502, 0.3069 by changing the saturation by 10% instead.




 72.5017, 0.2502,  
0.3069


 72.5017, 0.2502,  
0.3069


469.2860, 0.2784,  
0.3178

 53.5686, 0.2439,  
0.3043


 122.7695, 0.2598,  
0.3108

 38.2569, 0.2363,  
0.3010


 154.8731, 0.2636,  
0.3123

 26.1821, 0.2268,  
0.2967


192.1356, 0.2669,  
0.3135

 16.9599, 0.2147,  
0.2910

234.9414, 0.2698,  
0.3146

 10.2059, 0.1988,  
0.2830

283.6750, 0.2723,  
0.3156

 5.5357, 0.1770,  
0.2710

338.7206, 0.2746,

 2.5649, 0.1460,

0.3164

400.4628, 0.2766,  
0.3171

0.2518

0.9090, 0.0776,  
0.2226

0.0000, 0.0000,  
0.0000

72.5017, 0.2502,  
0.3069

72.5017, 0.2502,  
0.3069

67.9854, 0.2386,  
0.3009

77.6001, 0.2632,  
0.3126

64.0074, 0.2288,  
0.2947

83.3043, 0.2773,  
0.3180

60.5309, 0.2208,  
0.2884

89.6465, 0.2922,  
0.3230

57.5099, 0.2148,  
0.2821

96.6544, 0.3076,  
0.3276

■ 54.8889, 0.2107,  
0.2759

99.9347, 0.3133,  
0.3300

■ 53.2964, 0.2088,  
0.2717

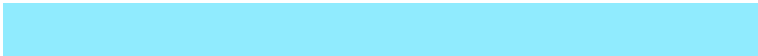
# Harmonies

## Analogous

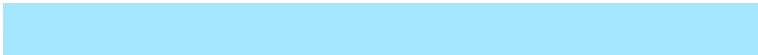
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5017, 0.2654, 0.3392



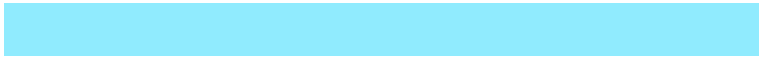
72.5017, 0.2502, 0.3069



72.5017, 0.2507, 0.2832

# Triad

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



72.5017, 0.2502, 0.3069



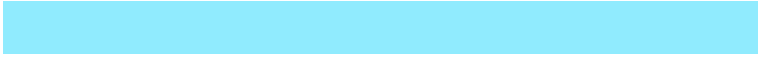
72.5017, 0.3300, 0.2923



72.5017, 0.3589, 0.3881

# Complementary

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



72.5017, 0.2502, 0.3069



49.3036, 0.4181, 0.3493

# 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.



72.5017, 0.3784, 0.3713



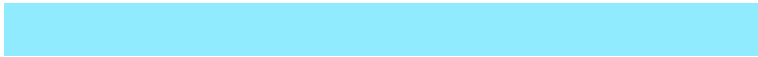
72.5017, 0.2502, 0.3069



72.5017, 0.3615, 0.3168

# Square

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



72.5017, 0.2502, 0.3069



72.5017, 0.2951, 0.2765



72.5017, 0.3796, 0.3451



72.5017, 0.3275, 0.3887

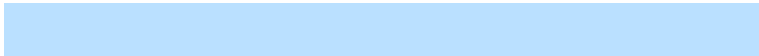


# Rectangle

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



72.5017, 0.2502, 0.3069



72.5017, 0.2597, 0.2748



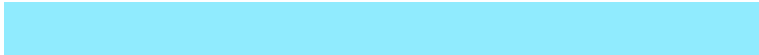
72.5017, 0.3796, 0.3451



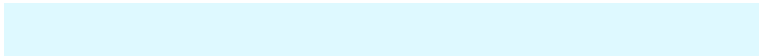
72.5017, 0.3671, 0.3840

# Sweetspot

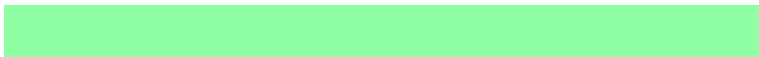
The Sweet Spot groups the original color and five complimentary colors.



72.5045, 0.2502, 0.3069



90.6456, 0.2926, 0.3231



79.4329, 0.2976, 0.4417



19.0864, 0.2893, 0.3221



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

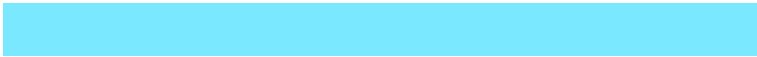


# Same Dimension

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



72.5045, 0.2502, 0.3069



69.1497, 0.2400, 0.3017



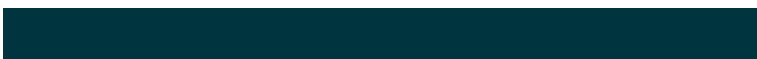
46.0234, 0.2388, 0.2396



19.9158, 0.2980, 0.3248



28.2960, 0.2091, 0.2728



2.8894, 0.2111, 0.2798



# Inverse Universe

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



47.0367, 0.3341, 0.2387



41.1087, 0.3397, 0.2222



72.8901, 0.3924, 0.4039



18.2433, 0.3165, 0.3096



13.5845, 0.3702, 0.1813

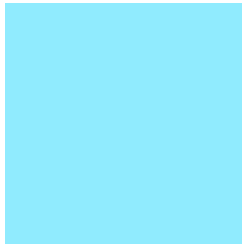


1.3362, 0.3636, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 72.5017, 0.2502, 0.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

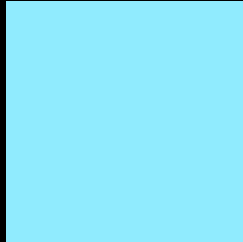
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5017, 0.2502, 0.3069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

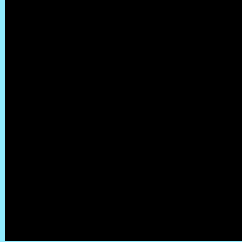
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.5017, 0.2502, 0.3069**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5017, 0.2502, 0.3069.

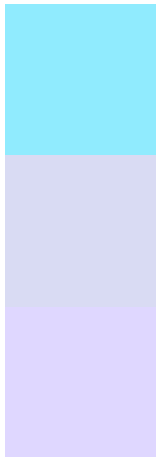


This preview shows how white text looks on a background with the Yxy color 72.5017, 0.2502, 0.3069.

# 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

72.5017, 0.2502, 0.3069

### Protanopia

71.8858, 0.2959, 0.3033

### Deuteranopia

71.5089, 0.2925, 0.2873



## Tritanopia

72.5017, 0.2502, 0.3069

# Trichromacy



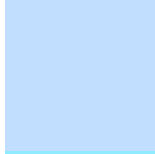
## Original Color

72.5017, 0.2502, 0.3069



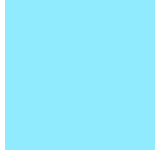
## Protanomaly

71.5130, 0.2766, 0.3045



## Deuteranomaly

70.9319, 0.2743, 0.2929



## Tritanomaly

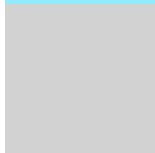
72.5017, 0.2502, 0.3069

# Monochromacy



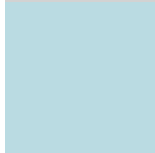
## Original Color

72.5017, 0.2502, 0.3069



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

66.5931, 0.2857, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5017, 0.2502, 0.3069 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(144, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(144, 235, 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(144, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 235, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5017, 0.2502, 0.3069 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(144, 235, 254) }
```

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

```
.border{ border-color:rgb(144, 235, 254) }
```

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

Here you see how a box with a 4 pixel rgb(144, 235, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(144, 235,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5017, 0.2502, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 235, 254) }
```

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

```
.background{ background-color: rgb(144,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor