

# Converting Colors

$Y_{xy}(74.2869, 0.2572, 0.3196)$

Have a look what the booklet for  
Yxy(74.2869, 0.2572, 0.3196)  
contains.

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# Color

**Yxy(74.2869, 0.2572, 0.3196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96EEF6
RGB	150, 238, 246
RGB Percent	59%, 93%, 96%
CMY	0.4118, 0.0666, 0.0353
CMYK	0.39, 0.03, 0.00, 0.04
HSL	185°, 84%, 78%
HSV	185°, 39%, 96%
XYZ	59.7828, 74.2869, 98.3674
YIQ	212.6000, -55.0160, -16.1680

# Conversions

## Conversions Part 2

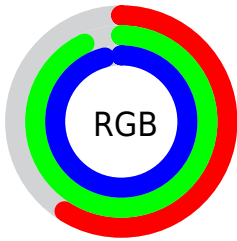
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 196, 246
Decimal	9891574
CIE <sub>Lab</sub>	89.06, -24.44, -12.21
CIE <sub>LCh</sub>	89, 27.316, 206.546
Yxy	74.2869, 0.2572, 0.3196
Android (android.graphics.Color)	4288081654 (0xFF96EEF6)
YUV	212.6000, 16.4662, -54.9002
Hunter-Lab	86.1898, -27.0214, -7.3340

# Details

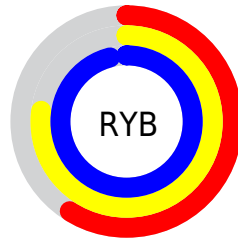
The Yxy color **74.2869, 0.2572, 0.3196** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.2352, 0.4074, 0.3380**, and the grayscale version is **66.1732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **39.5008, 0.2447, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **71.0121, 0.2460, 0.3168**, and if you desaturate by 10%, it is **78.0709, 0.2699, 0.3222**.

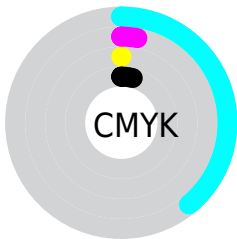
# Distribution



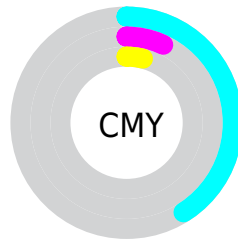
- Red (59%)
- Green (93%)
- Blue (96%)



- Red (59%)
- Yellow (77%)
- Blue (96%)



- Cyan (39%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)




- Cyan (41%)
- Magenta (7%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2869, 0.2572, 0.3196 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 74.2869, 0.2572, 0.3196 by changing the saturation by 10% instead.





 74.2869, 0.2572,  
0.3196

 74.2869, 0.2572,  
0.3196


475.4630, 0.2823,  
0.3245

 55.0289, 0.2516,  
0.3184


 125.3024, 0.2658,  
0.3214

 39.4249, 0.2448,  
0.3168


 157.8287, 0.2692,  
0.3221

 27.0904, 0.2363,  
0.3147


195.5466, 0.2721,  
0.3226

 17.6411, 0.2254,  
0.3118

238.8404, 0.2746,  
0.3231

 10.6926, 0.2110,  
0.3076

288.0945, 0.2769,  
0.3235

 5.8606, 0.1911,  
0.3010

343.6934, 0.2789,

 2.7605, 0.1623,

0.3239

0.2898

406.0214, 0.2807,  
0.3242

1.0080, 0.0969,  
0.2739

0.0000, 0.0000,  
0.0000

74.2869, 0.2572,  
0.3196

74.2869, 0.2572,  
0.3196

71.0121, 0.2460,  
0.3168

78.0709, 0.2699,  
0.3222

68.2067, 0.2365,  
0.3140

82.3835, 0.2839,  
0.3247

65.8391, 0.2289,  
0.3111

87.2537, 0.2988,  
0.3271

63.8702, 0.2233,  
0.3082

92.7060, 0.3142,  
0.3292

■ 62.2534, 0.2196,  
0.3054

■ 95.1920, 0.3184,  
0.3312

■ 60.9187, 0.2175,  
0.3026

■ 96.4580, 0.3182,  
0.3331

■ 60.7953, 0.2173,  
0.3023

■ 97.7379, 0.3181,  
0.3351

■ 99.0315, 0.3180,  
0.3370

■ 99.4332, 0.3179,  
0.3376

# Harmonies

## Analogous

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



74.2869, 0.2770, 0.3511



74.2869, 0.2572, 0.3196



74.2869, 0.2517, 0.2930

# Triad

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



74.2869, 0.2572, 0.3196



74.2869, 0.3160, 0.2870



74.2869, 0.3656, 0.3805

# Complementary

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



74.2869, 0.2572, 0.3196



46.2352, 0.4074, 0.3380

# 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.



74.2869, 0.3777, 0.3602



74.2869, 0.2572, 0.3196



74.2869, 0.3484, 0.3076

# Square

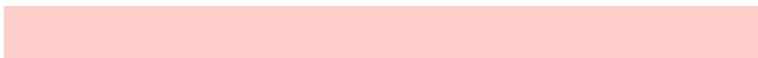
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.2869, 0.2572, 0.3196



74.2869, 0.2843, 0.2762



74.2869, 0.3714, 0.3338



74.2869, 0.3393, 0.3875

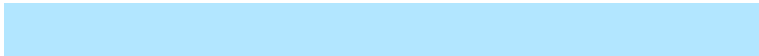


# Rectangle

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



74.2869, 0.2572, 0.3196



74.2869, 0.2564, 0.2815



74.2869, 0.3714, 0.3338



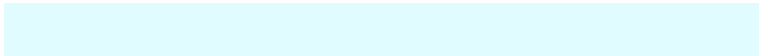
74.2869, 0.3715, 0.3749

# Sweetspot

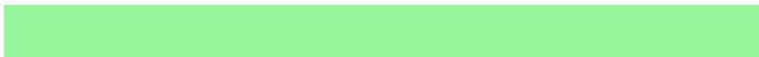
The Sweet Spot groups the original color and five complimentary colors.



74.2898, 0.2572, 0.3196



93.0388, 0.2942, 0.3264



74.8016, 0.3038, 0.4408



19.7638, 0.2923, 0.3261



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.



74.2898, 0.2572, 0.3196



77.7098, 0.2480, 0.3174



50.6543, 0.2485, 0.2624



18.5082, 0.2981, 0.3270



32.5542, 0.2174, 0.3028



2.9295, 0.2184, 0.3063



# Inverse Universe

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



47.5727, 0.3240, 0.2395



45.2246, 0.3267, 0.2225



65.1631, 0.3873, 0.3871



16.7431, 0.3151, 0.3076



13.3857, 0.3430, 0.1663

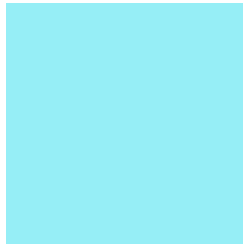


1.1834, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 74.2869, 0.2572, 0.3196 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

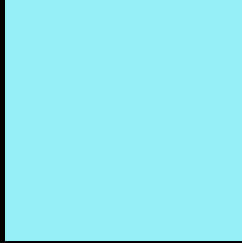
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2869, 0.2572, 0.3196 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

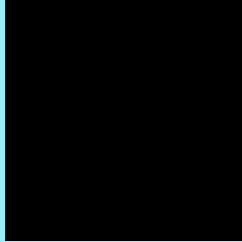
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.2869, 0.2572, 0.3196**

## Background



This preview shows how black text looks on a background with the Yxy color 74.2869, 0.2572, 0.3196.

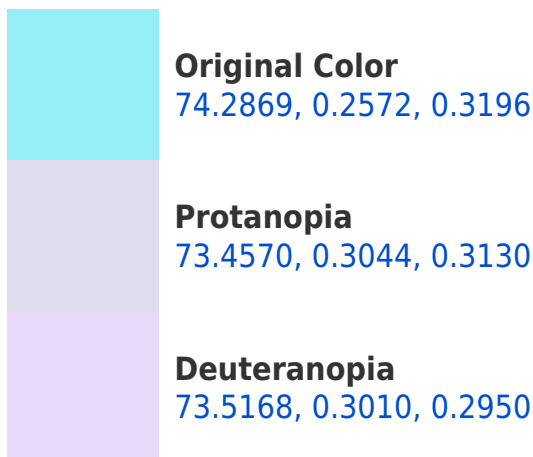


This preview shows how white text looks on a background with the Yxy color 74.2869, 0.2572, 0.3196.

# 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

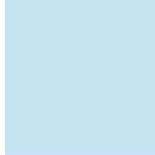
74.0809, 0.2545, 0.3072

# Trichromacy



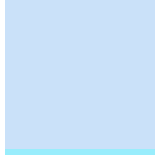
## Original Color

74.2869, 0.2572, 0.3196



## Protanomaly

72.9652, 0.2844, 0.3145



## Deuteranomaly

73.2465, 0.2828, 0.3029



## Tritanomaly

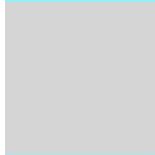
74.3690, 0.2556, 0.3117

# Monochromacy



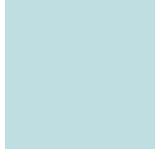
## Original Color

74.2869, 0.2572, 0.3196



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.6259, 0.2891, 0.3255

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2869, 0.2572, 0.3196 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(150, 238, 246)` looks like.

```
.text, #text, p{  
    color:rgb(150, 238, 246)  
}
```

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(150, 238, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 238, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2869, 0.2572, 0.3196 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(150, 238, 246) }
```

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

```
.border{ border-color:rgb(150, 238, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 238, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 238, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 238, 246);  
box-shadow:4px 4px 4px 4px rgb(150, 238,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2869, 0.2572, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 238, 246) }
```

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

```
.background{ background-color: rgb(150,  
238, 246) }
```

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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