

# Converting Colors

$Yxy(71.5929, 0.2646, 0.3409)$

Have a look what the booklet for  
Yxy(71.5929, 0.2646, 0.3409)  
contains.

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# Color

**Yxy(71.5929, 0.2646, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92ECE2
RGB	146, 236, 226
RGB Percent	57%, 93%, 89%
CMY	0.4277, 0.0745, 0.1137
CMYK	0.38, 0.00, 0.04, 0.07
HSL	173°, 70%, 75%
HSV	173°, 38%, 93%
XYZ	55.5690, 71.5929, 82.8495
YIQ	207.9500, -50.4300, -22.1900

# Conversions

## Conversions Part 2

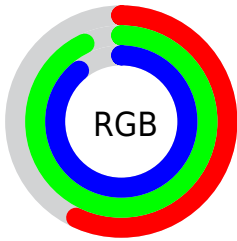
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 194, 236
Decimal	9628898
CIELab	87.77, -29.21, -3.67
CIELCh	88, 29.436, 187.164
Yxy	71.5929, 0.2646, 0.3409
Android (android.graphics.Color)	4287818978 (0xFF92ECE2)
YUV	207.9500, 8.8987, -54.3301
Hunter-Lab	84.6126, -30.8428, 1.1742

# Details

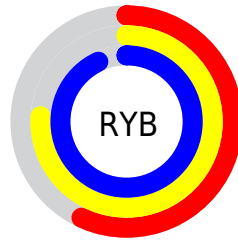
The Yxy color **71.5929, 0.2646, 0.3409** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.7708, 0.3966, 0.3179**, and the grayscale version is **63.0007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **37.7564, 0.2536, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **69.5099, 0.2550, 0.3445**, and if you desaturate by 10%, it is **74.1301, 0.2757, 0.3375**.

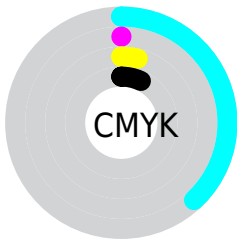
# Distribution



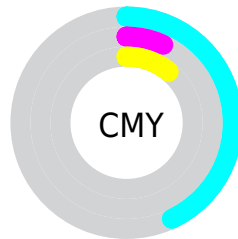
- Red (57%)
- Green (93%)
- Blue (89%)



- Red (57%)
- Yellow (76%)
- Blue (93%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)




- Cyan (43%)
- Magenta (7%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.5929, 0.2646, 0.3409 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 71.5929, 0.2646, 0.3409 by changing the saturation by 10% instead.



 71.5929, 0.2646,  
0.3409


 71.5929, 0.2646,  
0.3409


466.1234, 0.2867,  
0.3356

 52.8262, 0.2596,  
0.3420


 121.4776, 0.2722,  
0.3391

 37.6640, 0.2534,  
0.3434


 153.3643, 0.2752,  
0.3384

 25.7220, 0.2457,  
0.3451


190.3932, 0.2778,  
0.3378

 16.6158, 0.2356,  
0.3472

232.9486, 0.2800,  
0.3373

 9.9610, 0.2220,  
0.3499

281.4149, 0.2820,  
0.3368

 5.3731, 0.2028,  
0.3534

336.1766, 0.2838,

 2.4678, 0.1738,

0.3364

0.3580

397.6179, 0.2853,  
0.3360

0.8604, 0.0482,  
0.3952

0.0000, 0.0000,  
0.0000

71.5929, 0.2646,  
0.3409

71.5929, 0.2646,  
0.3409

69.5099, 0.2550,  
0.3445

74.1301, 0.2757,  
0.3375

67.8450, 0.2471,  
0.3483


77.1384, 0.2881,  
0.3342


66.5701, 0.2411,  
0.3522

80.6440, 0.3014,  
0.3312

65.6504, 0.2371,  
0.3560


84.6688, 0.3153,  
0.3285

 65.0445, 0.2350,  
0.3599


 87.4979, 0.3235,  
0.3260


 64.6947, 0.2346,  
0.3637

 87.6540, 0.3219,  
0.3234

 64.6428, 0.2346,  
0.3644

 87.8124, 0.3202,  
0.3209

 87.9731, 0.3186,  
0.3184

 88.1360, 0.3169,  
0.3159

# Harmonies

## Analogous

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



71.5929, 0.2938, 0.3730



71.5929, 0.2646, 0.3409



71.5929, 0.2484, 0.3072

# Triad

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



71.5929, 0.2646, 0.3409



71.5929, 0.2932, 0.2744



71.5929, 0.3811, 0.3717

# Complementary

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



71.5929, 0.2646, 0.3409



40.7708, 0.3966, 0.3179

# 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.



71.5929, 0.3816, 0.3444



71.5929, 0.2646, 0.3409



71.5929, 0.3292, 0.2903

# Square

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



71.5929, 0.2646, 0.3409



71.5929, 0.2641, 0.2712



71.5929, 0.3622, 0.3152



71.5929, 0.3615, 0.3898

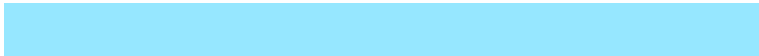


# Rectangle

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



71.5929, 0.2646, 0.3409



71.5929, 0.2465, 0.2892



71.5929, 0.3622, 0.3152



71.5929, 0.3836, 0.3633

# Sweetspot

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



71.5957, 0.2646, 0.3409



94.8638, 0.2975, 0.3321



69.1846, 0.3138, 0.4432



20.1805, 0.2956, 0.3325



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

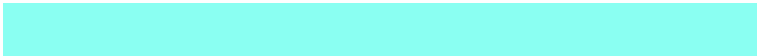


# Same Dimension

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



71.5957, 0.2646, 0.3409



83.3071, 0.2568, 0.3438



54.1610, 0.2533, 0.2859



17.0914, 0.2996, 0.3316



35.6395, 0.2344, 0.3638



2.8068, 0.2329, 0.3585



# Inverse Universe

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



40.7708, 0.3966, 0.3179



41.5764, 0.4242, 0.3158



52.7391, 0.3921, 0.3680



15.0812, 0.3275, 0.3264



9.8807, 0.6265, 0.3225

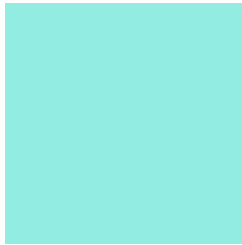


0.7849, 0.5984, 0.3070



# Previews

## White Background



This preview shows how the Yxy color 71.5929, 0.2646, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

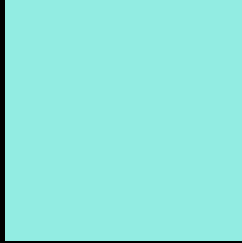
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.5929, 0.2646, 0.3409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

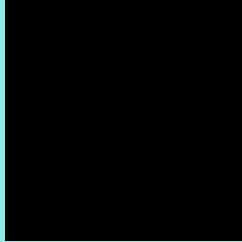
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.5929, 0.2646, 0.3409**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.5929, 0.2646, 0.3409.

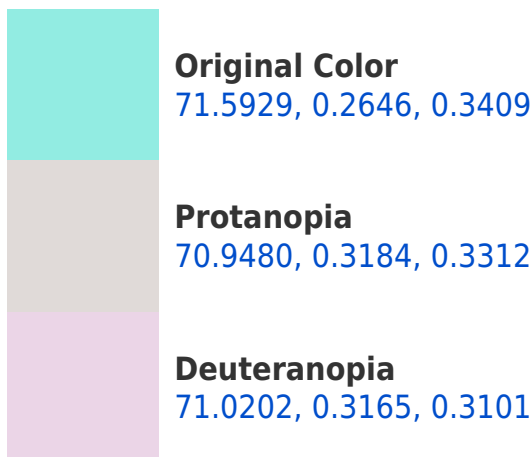


This preview shows how white text looks on a background with the Yxy color 71.5929, 0.2646, 0.3409.

# 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

71.3537, 0.2547, 0.3069

# Trichromacy



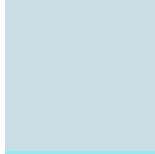
## Original Color

71.5929, 0.2646, 0.3409



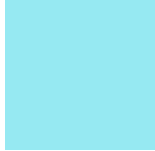
## Protanomaly

70.7535, 0.2961, 0.3346



## Deuteranomaly

70.0666, 0.2952, 0.3200



## Tritanomaly

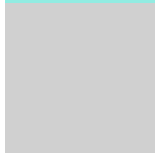
71.1727, 0.2582, 0.3183

# Monochromacy



## Original Color

71.5929, 0.2646, 0.3409



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

65.3634, 0.2917, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.5929, 0.2646, 0.3409 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(146, 236, 226)` looks like.

```
.text, #text, p{  
    color:rgb(146, 236, 226)  
}
```

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(146, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 236, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 71.5929, 0.2646, 0.3409 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(146, 236, 226) }
```

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

```
.border{ border-color:rgb(146, 236, 226) }
```

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

Here you see how a box with a 4 pixel rgb(146, 236, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(146, 236,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.5929, 0.2646, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 236, 226) }
```

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

```
.background{ background-color: rgb(146,  
236, 226) }
```

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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