

# Converting Colors

$Y_{xy}(70.8490, 0.2643, 0.3393)$

Have a look what the booklet for  
Yxy(70.8490, 0.2643, 0.3393)  
contains.

<b>Yxy(71.0186, 0.2645, 0.3397)</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(71.0186, 0.2645, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92EBE2
RGB	146, 235, 226
RGB Percent	57%, 92%, 89%
CMY	0.4272, 0.0784, 0.1137
CMYK	0.38, 0.00, 0.04, 0.08
HSL	174°, 69%, 75%
HSV	174°, 38%, 92%
XYZ	55.2971, 71.0186, 82.7470
YIQ	207.3630, -50.1550, -21.6670

# Conversions

## Conversions Part 2

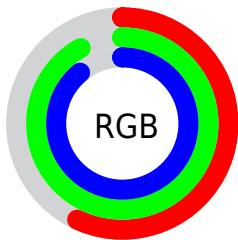
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 193, 235
Decimal	9628642
CIE <sub>Lab</sub>	87.49, -28.69, -4.08
CIE <sub>LCh</sub>	87, 28.978, 188.084
Yxy	71.0186, 0.2645, 0.3397
Android (android.graphics.Color)	4287818722 (0xFF92EBE2)
YUV	207.3630, 9.1880, -53.8154
Hunter-Lab	84.2725, -30.3506, 0.7741

# Details

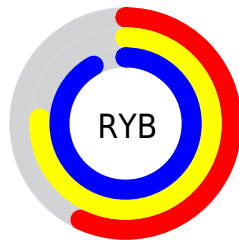
The Yxy color **71.0186, 0.2645, 0.3397** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.6046, 0.3965, 0.3190**, and the grayscale version is **62.6162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **37.3541, 0.2533, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **68.9541, 0.2548, 0.3430**, and if you desaturate by 10%, it is **73.5332, 0.2758, 0.3366**.

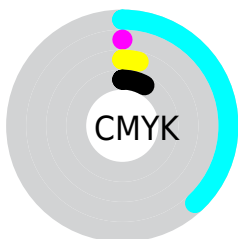
# Distribution



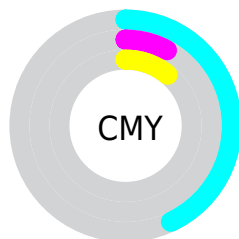
- Red (57%)
- Green (92%)
- Blue (89%)



- Red (57%)
- Yellow (76%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




- Cyan (43%)
- Magenta (8%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0186, 0.2645, 0.3397 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 71.0186, 0.2645, 0.3397 by changing the saturation by 10% instead.



 71.0186, 0.2645,  
0.3397


 71.0186, 0.2645,  
0.3397


464.1185, 0.2867,  
0.3350

 52.3574, 0.2595,  
0.3407


 120.6602, 0.2722,  
0.3381

 37.2900, 0.2533,  
0.3419


 152.4094, 0.2752,  
0.3375

 25.4321, 0.2455,  
0.3434


189.2900, 0.2777,  
0.3370

 16.3993, 0.2354,  
0.3452

231.6864, 0.2800,  
0.3365

 9.8071, 0.2217,  
0.3475

279.9831, 0.2820,  
0.3360

 5.2713, 0.2024,  
0.3504

334.5644, 0.2837,

 2.4073, 0.1731,

0.3357

395.8147, 0.2853,  
0.3353

0.3540

0.8296, 0.0415,  
0.3906

0.0000, 0.0000,  
0.0000

71.0186, 0.2645,  
0.3397

71.0186, 0.2645,  
0.3397

68.9541, 0.2548,  
0.3430

73.5332, 0.2758,  
0.3366

67.3039, 0.2468,  
0.3464

76.5145, 0.2883,  
0.3337

66.0405, 0.2406,  
0.3499

79.9883, 0.3017,  
0.3310

65.1295, 0.2365,  
0.3534

83.9763, 0.3158,  
0.3285

■ 64.5304, 0.2342,  
0.3569

■ 86.8402, 0.3244,  
0.3262

■ 64.1876, 0.2337,  
0.3603

■ 86.9807, 0.3229,  
0.3239

■ 64.1292, 0.2336,  
0.3611

■ 87.1230, 0.3214,  
0.3216

■ 87.2672, 0.3199,  
0.3193

■ 87.4132, 0.3184,  
0.3170

# Harmonies

## Analogous

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



71.0186, 0.2931, 0.3716



71.0186, 0.2645, 0.3397



71.0186, 0.2489, 0.3066

# Triad

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



71.0186, 0.2645, 0.3397



71.0186, 0.2945, 0.2754



71.0186, 0.3799, 0.3720

# Complementary

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



71.0186, 0.2645, 0.3397



40.6046, 0.3965, 0.3190

# 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.



71.0186, 0.3810, 0.3452



71.0186, 0.2645, 0.3397



71.0186, 0.3301, 0.2914

# Square

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



71.0186, 0.2645, 0.3397



71.0186, 0.2654, 0.2718



71.0186, 0.3624, 0.3163



71.0186, 0.3600, 0.3894

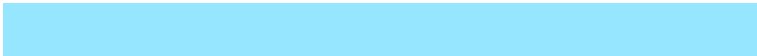


# Rectangle

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



71.0186, 0.2645, 0.3397



71.0186, 0.2474, 0.2890



71.0186, 0.3624, 0.3163



71.0186, 0.3825, 0.3637

# Sweetspot

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



71.0214, 0.2645, 0.3397



94.8815, 0.2973, 0.3318



68.6023, 0.3138, 0.4421



20.1847, 0.2955, 0.3322



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.



71.0214, 0.2645, 0.3397



83.6124, 0.2572, 0.3421



53.8417, 0.2538, 0.2863



17.0941, 0.2995, 0.3314



35.7034, 0.2335, 0.3605



2.8112, 0.2322, 0.3557



# Inverse Universe

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



40.6046, 0.3965, 0.3190



42.3514, 0.4218, 0.3172



52.4414, 0.3912, 0.3676



15.0788, 0.3277, 0.3266



9.8745, 0.6281, 0.3234

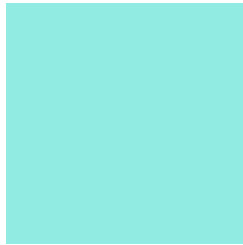


0.7837, 0.6019, 0.3089



# Previews

## White Background



This preview shows how the Yxy color 71.0186, 0.2645, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

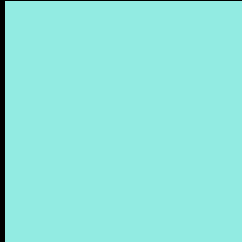
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0186, 0.2645, 0.3397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

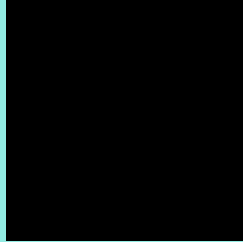
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.0186, 0.2645, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0186, 0.2645, 0.3397.

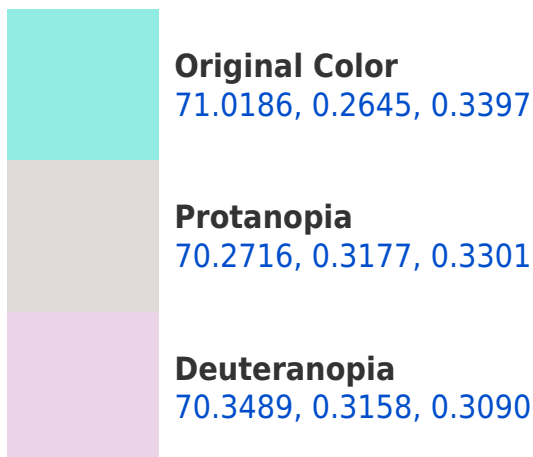


This preview shows how white text looks on a background with the Yxy color 71.0186, 0.2645, 0.3397.

# 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

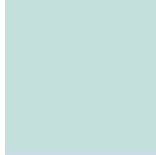
70.7294, 0.2550, 0.3068

# Trichromacy



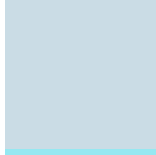
## Original Color

71.0186, 0.2645, 0.3397



## Protanomaly

70.0807, 0.2954, 0.3335



## Deuteranomaly

69.4001, 0.2945, 0.3189



## Tritanomaly

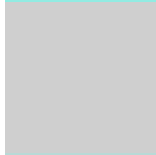
70.5481, 0.2585, 0.3182

# Monochromacy



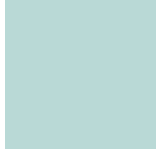
## Original Color

71.0186, 0.2645, 0.3397



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.7950, 0.2923, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.0186, 0.2645, 0.3397 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, 235, 226)` looks like.

```
.text, #text, p{  
    color:rgb(146, 235, 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, 235, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 235, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0186, 0.2645, 0.3397 is called "border". The border property can be set on classes, ids or directly on the HTML element.

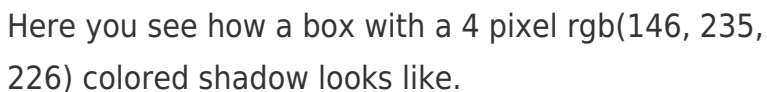
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 235, 226) }
```

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

```
.border{ border-color:rgb(146, 235, 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, 235, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 235, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 235, 226); box-shadow:4px 4px 4px 4px rgb(146, 235, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0186, 0.2645, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 235, 226) }
```

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

```
.background{ background-color: rgb(146,  
235, 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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