

# Converting Colors

$Yxy(71.1919, 0.2603, 0.3698)$

Have a look what the booklet for  
Yxy(71.1919, 0.2603, 0.3698)  
contains.

<b>Yxy(71.2270, 0.2602, 0.3694)</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(71.2270, 0.2602, 0.3694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74F1D1
RGB	116, 241, 209
RGB Percent	45%, 95%, 82%
CMY	0.5449, 0.0549, 0.1804
CMYK	0.52, 0.00, 0.13, 0.05
HSL	165°, 82%, 70%
HSV	165°, 52%, 95%
XYZ	50.1713, 71.2270, 71.4198
YIQ	199.9770, -64.2280, -36.4520

# Conversions

## Conversions Part 2

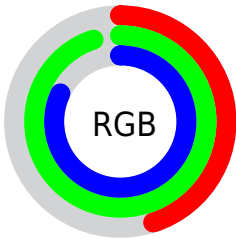
Format	Color
<b>R<sub>YB</sub></b>	116, 188, 241
Decimal	7664081
CIE <sub>Lab</sub>	87.60, -42.44, 4.84
CIE <sub>LCh</sub>	88, 42.718, 173.496
Yxy	71.2270, 0.2602, 0.3694
Android (android.graphics.Color)	4285854161 (0xFF74F1D1)
YUV	199.9770, 4.4483, -73.6478
Hunter-Lab	84.3961, -41.5796, 8.9034

# Details

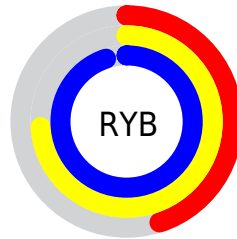
The Yxy color **71.2270, 0.2602, 0.3694** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **33.3459, 0.4230, 0.2946**, and the grayscale version is **57.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **37.3513, 0.2474, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **69.4860, 0.2541, 0.3788**, and if you desaturate by 10%, it is **73.4139, 0.2680, 0.3604**.

# Distribution



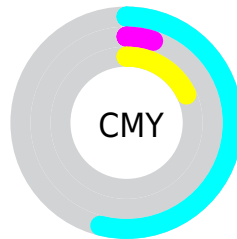
- Red (45%)
- Green (95%)
- Blue (82%)



- Red (45%)
- Yellow (74%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (5%)




- Cyan (54%)
- Magenta (5%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2270, 0.2602, 0.3694 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 71.2270, 0.2602, 0.3694 by changing the saturation by 10% instead.



 71.2270, 0.2602,  
0.3694


 71.2270, 0.2602,  
0.3694

464.8466, 0.2847,  
0.3503


 52.5275, 0.2546,  
0.3739


 120.9569, 0.2687,  
0.3627

 37.4257, 0.2476,  
0.3794


 152.7560, 0.2720,  
0.3601

 25.5372, 0.2388,  
0.3866


 189.6905, 0.2749,  
0.3579

 16.4778, 0.2273,  
0.3961

232.1447, 0.2773,  
0.3560

 9.8629, 0.2116,  
0.4092

280.5030, 0.2795,  
0.3543

 5.3081, 0.1890,  
0.4287

335.1498, 0.2814,

 2.4292, 0.1544,

0.3528

0.4600

396.4696, 0.2831,  
0.3515

0.8408, 0.0000,  
0.5930

0.0000, 0.0000,  
0.0000

71.2270, 0.2602,  
0.3694

71.2270, 0.2602,  
0.3694

69.4860, 0.2541,  
0.3788

73.4139, 0.2680,  
0.3604

68.1484, 0.2500,  
0.3884


76.0685, 0.2772,  
0.3519


67.1780, 0.2479,  
0.3981

79.2213, 0.2876,  
0.3440


66.5279, 0.2477,  
0.4077


82.8978, 0.2988,  
0.3367

 66.1747, 0.2488,  
0.4155

 87.1216, 0.3105,  
0.3301

 90.8254, 0.3188,  
0.3241

 91.2109, 0.3150,  
0.3182

 91.3894, 0.3133,  
0.3156

# Harmonies

## Analogous

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



71.2270, 0.3071, 0.4107



71.2270, 0.2602, 0.3694



71.2270, 0.2289, 0.3172

# Triad

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



71.2270, 0.2602, 0.3694



71.2270, 0.2634, 0.2477



71.2270, 0.4162, 0.3709

# Complementary

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



71.2270, 0.2602, 0.3694



33.3459, 0.4230, 0.2946

# 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.



71.2270, 0.4038, 0.3301



71.2270, 0.2602, 0.3694



71.2270, 0.3116, 0.2625

# Square

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



71.2270, 0.2602, 0.3694



71.2270, 0.2309, 0.2510



71.2270, 0.3641, 0.2917



71.2270, 0.3984, 0.4058



# Rectangle

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



71.2270, 0.2602, 0.3694



71.2270, 0.2197, 0.2869



71.2270, 0.3641, 0.2917



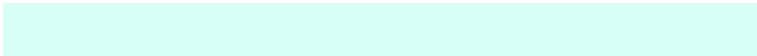
71.2270, 0.4156, 0.3575

# Sweetspot

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



71.2298, 0.2602, 0.3694



92.4113, 0.2940, 0.3397



70.5971, 0.3238, 0.4857



19.5958, 0.2916, 0.3412



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.



71.2298, 0.2602, 0.3694



78.9365, 0.2540, 0.3791



57.0783, 0.2384, 0.2920



17.8558, 0.3015, 0.3351



35.9088, 0.2483, 0.4139



3.0033, 0.2448, 0.4013



# Inverse Universe

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



33.3459, 0.4230, 0.2946



31.6086, 0.4594, 0.2901



40.2792, 0.4445, 0.3610



15.8253, 0.3253, 0.3230



10.3465, 0.5909, 0.3029

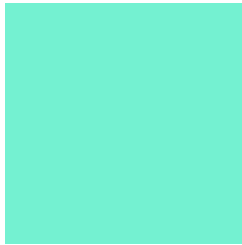


0.8764, 0.5539, 0.2825



# Previews

## White Background



This preview shows how the Yxy color 71.2270, 0.2602, 0.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

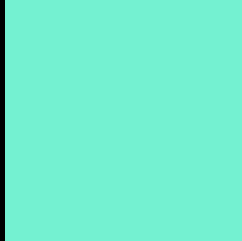
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.2270, 0.2602, 0.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

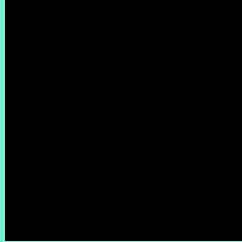
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.2270, 0.2602, 0.3694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.2270, 0.2602, 0.3694.

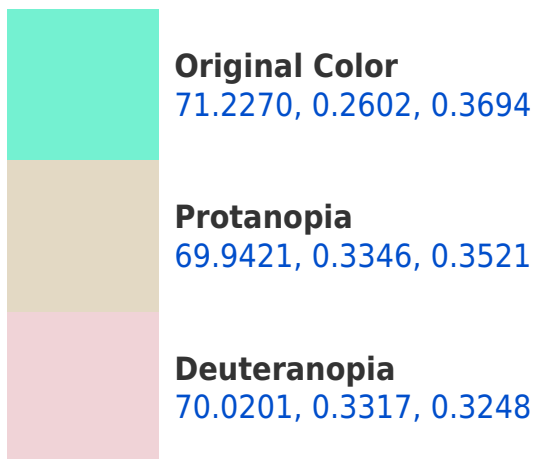


This preview shows how white text looks on a background with the Yxy color 71.2270, 0.2602, 0.3694.

# 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

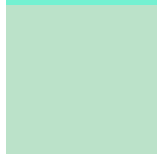
71.3182, 0.2441, 0.3065

# Trichromacy



## Original Color

71.2270, 0.2602, 0.3694



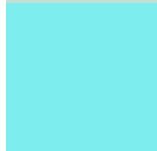
## Protanomaly

69.1746, 0.3018, 0.3585



## Deuteranomaly

68.6488, 0.2998, 0.3394



## Tritanomaly

71.1014, 0.2496, 0.3276

# Monochromacy



## Original Color

71.2270, 0.2602, 0.3694



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.3477, 0.2883, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2270, 0.2602, 0.3694 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(116, 241, 209)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 209)  
}
```

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(116, 241, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2270, 0.2602, 0.3694 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(116, 241, 209) }
```

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

```
.border{ border-color:rgb(116, 241, 209) }
```

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

Here you see how a box with a 4 pixel rgb(116, 241, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 209);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2270, 0.2602, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 209) }
```

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

```
.background{ background-color: rgb(116,  
241, 209) }
```

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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