

# Converting Colors

$Yxy(71.0191, 0.2467, 0.3181)$

Have a look what the booklet for  
Yxy(71.0191, 0.2467, 0.3181)  
contains.

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# Color

**Yxy(71.0191, 0.2467, 0.3181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EECF5
RGB	126, 236, 245
RGB Percent	49%, 93%, 96%
CMY	0.5058, 0.0745, 0.0393
CMYK	0.49, 0.04, 0.00, 0.04
HSL	185°, 86%, 73%
HSV	185°, 49%, 96%
XYZ	55.0783, 71.0191, 97.1629
YIQ	204.1360, -68.4490, -20.5210

# Conversions

## Conversions Part 2

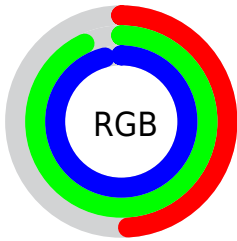
Format	Color
R <sub>Y</sub> B	126, 183, 245
Decimal	8318197
CIE Lab	87.49, -29.24, -14.11
CIE LCh	87, 32.469, 205.761
Yxy	71.0191, 0.2467, 0.3181
Android (android.graphics.Color)	4286508277 (0xFF7EECF5)
YUV	204.1360, 20.1460, -68.5253
Hunter-Lab	84.2728, -30.8150, -9.3678

# Details

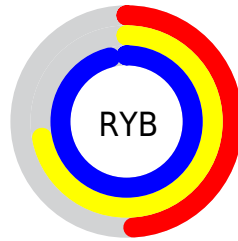
The Yxy color **71.0191, 0.2467, 0.3181** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2357, 0.4439, 0.3390**, and the grayscale version is **60.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **37.3734, 0.2319, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **68.3245, 0.2372, 0.3155**, and if you desaturate by 10%, it is **74.1860, 0.2579, 0.3206**.

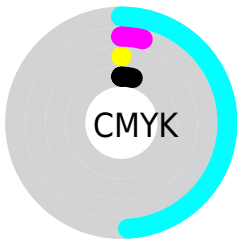
# Distribution



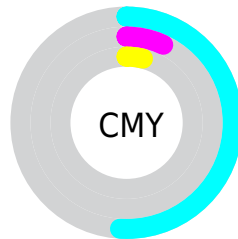
- Red (49%)
- Green (93%)
- Blue (96%)



- Red (49%)
- Yellow (72%)
- Blue (96%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)




- Cyan (51%)
- Magenta (7%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0191, 0.2467, 0.3181 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 71.0191, 0.2467, 0.3181 by changing the saturation by 10% instead.




 71.0191, 0.2467,  
0.3181


 71.0191, 0.2467,  
0.3181

464.1202, 0.2766,  
0.3240


 52.3578, 0.2400,  
0.3166

 120.6609, 0.2570,  
0.3203

 37.2903, 0.2319,  
0.3146


 152.4102, 0.2610,  
0.3211

 25.4324, 0.2218,  
0.3120


 189.2910, 0.2645,  
0.3218

 16.3995, 0.2088,  
0.3083

231.6875, 0.2675,  
0.3223

 9.8073, 0.1916,  
0.3029

279.9844, 0.2702,  
0.3228

 5.2714, 0.1682,  
0.2943

334.5658, 0.2726,

 2.4073, 0.1346,

0.3232

0.2793

395.8163, 0.2747,  
0.3236

■ 0.8297, 0.0239,  
0.2657

■ 0.0000, 0.0000,  
0.0000

■ 71.0191, 0.2467,  
0.3181

■ 71.0191, 0.2467,  
0.3181

■ 68.3245, 0.2372,  
0.3155

■ 74.1860, 0.2579,  
0.3206

■ 66.0601, 0.2297,  
0.3129


■ 77.8476, 0.2706,  
0.3230


■ 64.1901, 0.2241,  
0.3103

■ 82.0343, 0.2846,  
0.3252


■ 62.6688, 0.2204,  
0.3078

■ 86.7719, 0.2995,  
0.3273

 61.4307, 0.2183,  
0.3052

 92.0846, 0.3150,  
0.3293

 61.2624, 0.2180,  
0.3049

 94.4196, 0.3191,  
0.3311

 95.5544, 0.3189,  
0.3328

 96.7003, 0.3188,  
0.3346

 97.8575, 0.3187,  
0.3364

# Harmonies

## Analogous

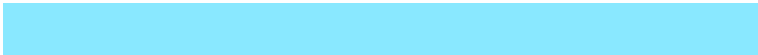
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0191, 0.2704, 0.3567



71.0191, 0.2467, 0.3181



71.0191, 0.2398, 0.2860

# Triad

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



71.0191, 0.2467, 0.3181



71.0191, 0.3154, 0.2785



71.0191, 0.3769, 0.3902

# Complementary

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



71.0191, 0.2467, 0.3181



38.2357, 0.4439, 0.3390

# 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.



71.0191, 0.3913, 0.3650



71.0191, 0.2467, 0.3181



71.0191, 0.3547, 0.3025

# Square

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



71.0191, 0.2467, 0.3181



71.0191, 0.2775, 0.2659



71.0191, 0.3833, 0.3333



71.0191, 0.3453, 0.4001

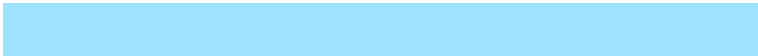


# Rectangle

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



71.0191, 0.2467, 0.3181



71.0191, 0.2451, 0.2723



71.0191, 0.3833, 0.3333



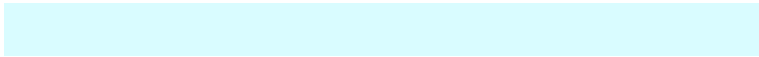
71.0191, 0.3840, 0.3830

# Sweetspot

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



71.0218, 0.2467, 0.3181



91.6288, 0.2897, 0.3260



71.4412, 0.3018, 0.4734



19.3847, 0.2866, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

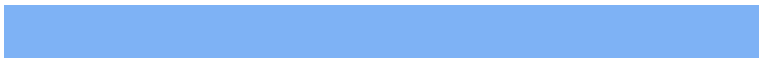
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0218, 0.2467, 0.3181



74.9683, 0.2376, 0.3156



42.6949, 0.2324, 0.2425



18.5316, 0.2981, 0.3272



33.1050, 0.2181, 0.3053



2.9721, 0.2190, 0.3085



# Inverse Universe

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



40.3896, 0.3263, 0.2188



38.3193, 0.3294, 0.2009



59.2403, 0.4098, 0.4008



16.7455, 0.3150, 0.3074



13.4413, 0.3408, 0.1651

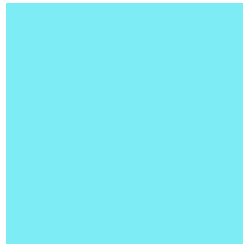


1.1877, 0.3380, 0.1636



# Previews

## White Background



This preview shows how the Yxy color 71.0191, 0.2467, 0.3181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

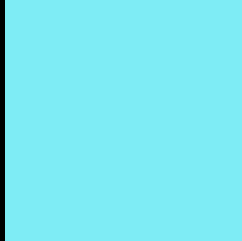
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0191, 0.2467, 0.3181 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 71.0191, 0.2467, 0.3181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0191, 0.2467, 0.3181.

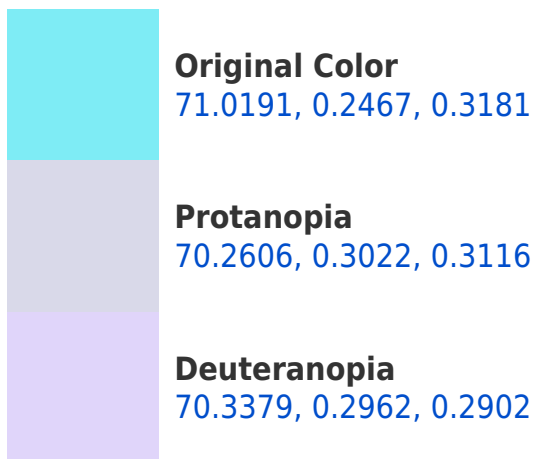


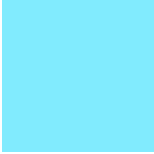
This preview shows how white text looks on a background with the Yxy color 71.0191, 0.2467, 0.3181.

# 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**

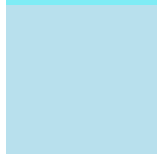
71.2395, 0.2437, 0.3065

# Trichromacy



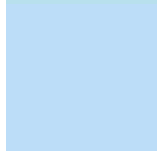
## Original Color

71.0191, 0.2467, 0.3181



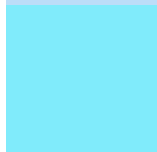
## Protanomaly

69.6161, 0.2784, 0.3141



## Deuteranomaly

69.1816, 0.2744, 0.2988



## Tritanomaly

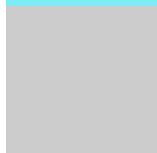
70.9709, 0.2446, 0.3099

# Monochromacy



## Original Color

71.0191, 0.2467, 0.3181



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

63.4563, 0.2832, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.0191, 0.2467, 0.3181 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(126, 236, 245)` looks like.

```
.text, #text, p{  
    color:rgb(126, 236, 245)  
}
```

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(126, 236, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 236, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0191, 0.2467, 0.3181 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(126, 236, 245) }
```

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

```
.border{ border-color:rgb(126, 236, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 236, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 236, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 236, 245);  
box-shadow:4px 4px 4px 4px rgb(126, 236,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0191, 0.2467, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 236, 245) }
```

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

```
.background{ background-color: rgb(126,  
236, 245) }
```

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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