

# Converting Colors

$Yxy(74.7094, 0.2495, 0.3465)$

Have a look what the booklet for  
Yxy(74.7094, 0.2495, 0.3465)  
contains.

<b>Yxy(74.5191, 0.2495, 0.3459)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.5191, 0.2495, 0.3459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70F5E7
RGB	112, 245, 231
RGB Percent	44%, 96%, 91%
CMY	0.5611, 0.0392, 0.0940
CMYK	0.54, 0.00, 0.06, 0.04
HSL	174°, 87%, 70%
HSV	174°, 54%, 96%
XYZ	53.7511, 74.5191, 87.1652
YIQ	203.6370, -74.7740, -32.5500

# Conversions

## Conversions Part 2

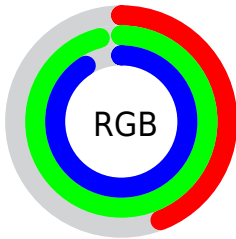
Format	Color
R <sub>Y</sub> B	112, 182, 245
Decimal	7402983
CIE Lab	89.17, -39.83, -4.38
CIE LCh	89, 40.069, 186.279
Yxy	74.5191, 0.2495, 0.3459
Android (android.graphics.Color)	4285593063 (0xFF70F5E7)
YUV	203.6370, 13.4900, -80.3656
Hunter-Lab	86.3244, -39.9222, 0.5597

# Details

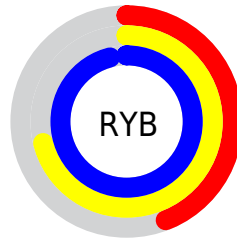
The Yxy color **74.5191, 0.2495, 0.3459** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.4867, 0.4575, 0.3149**, and the grayscale version is **60.0789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **39.5521, 0.2351, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **72.9846, 0.2428, 0.3495**, and if you desaturate by 10%, it is **76.4985, 0.2581, 0.3424**.

# Distribution



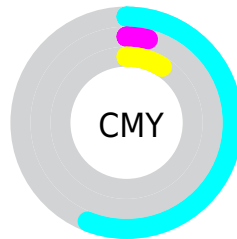
- Red (44%)
- Green (96%)
- Blue (91%)



- Red (44%)
- Yellow (71%)
- Blue (96%)



- Cyan (54%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)




- Cyan (56%)
- Magenta (4%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5191, 0.2495, 0.3459 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 74.5191, 0.2495, 0.3459 by changing the saturation by 10% instead.





 74.5191, 0.2495,  
0.3459

 74.5191, 0.2495,  
0.3459

476.2630, 0.2782,  
0.3386


 55.2190, 0.2431,  
0.3475


 125.6314, 0.2593,  
0.3434

 39.5771, 0.2353,  
0.3493


 158.2124, 0.2632,  
0.3425

 27.2090, 0.2255,  
0.3516


 195.9891, 0.2666,  
0.3416

 17.7302, 0.2129,  
0.3544

239.3460, 0.2695,  
0.3409

 10.7565, 0.1962,  
0.3578

288.6675, 0.2720,  
0.3402

 5.9033, 0.1732,  
0.3621

344.3379, 0.2743,

 2.7864, 0.1399,

0.3396

0.3672

406.7416, 0.2764,  
0.3390

■ 1.0213, 0.0000,  
0.4076

■ 0.0000, 0.0000,  
0.0000

■ 74.5191, 0.2495,  
0.3459

■ 74.5191, 0.2495,  
0.3459

■ 72.9846, 0.2428,  
0.3495

■ 76.4985, 0.2581,  
0.3424

■ 71.8500, 0.2380,  
0.3532


■ 78.9465, 0.2684,  
0.3390

■ 71.0759, 0.2351,  
0.3569


■ 81.8953, 0.2801,  
0.3358


■ 70.6106, 0.2341,  
0.3605

■ 85.3717, 0.2929,  
0.3328

 70.4405, 0.2340,  
0.3625

 89.4008, 0.3066,  
0.3301

 93.2556, 0.3183,  
0.3276

 93.4153, 0.3167,  
0.3251

 93.5772, 0.3152,  
0.3227

 93.7414, 0.3136,  
0.3202

# Harmonies

## Analogous

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



74.5191, 0.2881, 0.3904



74.5191, 0.2495, 0.3459



74.5191, 0.2283, 0.2998

# Triad

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



74.5191, 0.2495, 0.3459



74.5191, 0.2849, 0.2572



74.5191, 0.4047, 0.3834

# Complementary

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



74.5191, 0.2495, 0.3459



32.4867, 0.4575, 0.3149

# 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.



74.5191, 0.4052, 0.3468



74.5191, 0.2495, 0.3459



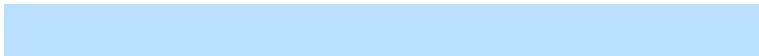
74.5191, 0.3329, 0.2773

# Square

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



74.5191, 0.2495, 0.3459



74.5191, 0.2474, 0.2529



74.5191, 0.3782, 0.3091



74.5191, 0.3783, 0.4097

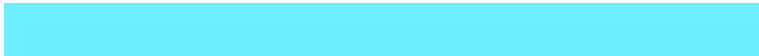


# Rectangle

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



74.5191, 0.2495, 0.3459



74.5191, 0.2255, 0.2760



74.5191, 0.3782, 0.3091



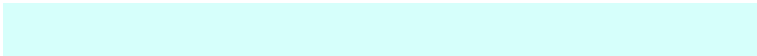
74.5191, 0.4080, 0.3718

# Sweetspot

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



74.5220, 0.2495, 0.3459



92.7931, 0.2907, 0.3333



71.0261, 0.3124, 0.4999



19.6875, 0.2880, 0.3339



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.



74.5220, 0.2495, 0.3459



79.8043, 0.2423, 0.3498



48.6109, 0.2299, 0.2633



18.7260, 0.2995, 0.3315



37.9556, 0.2339, 0.3619



3.3444, 0.2326, 0.3574



# Inverse Universe

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



32.4867, 0.4575, 0.3149



29.5012, 0.5051, 0.3139



46.7527, 0.4402, 0.3835



16.5108, 0.3277, 0.3265



10.5069, 0.6278, 0.3232

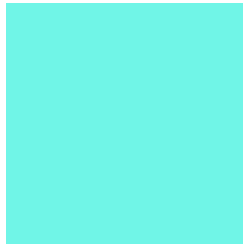


0.9327, 0.6034, 0.3098



# Previews

## White Background



This preview shows how the Yxy color 74.5191, 0.2495, 0.3459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

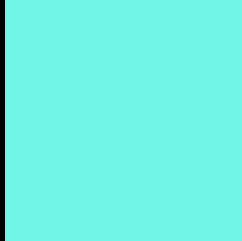
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5191, 0.2495, 0.3459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

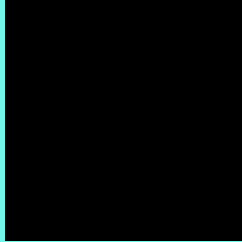
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.5191, 0.2495, 0.3459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5191, 0.2495, 0.3459.

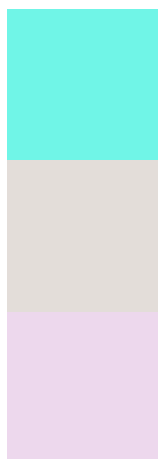


This preview shows how white text looks on a background with the Yxy color 74.5191, 0.2495, 0.3459.

# 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



### Original Color

74.5191, 0.2495, 0.3459

### Protanopia

73.0536, 0.3197, 0.3333

### Deuteranopia

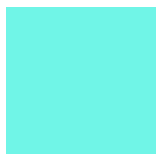
73.2307, 0.3137, 0.3073



## Tritanopia

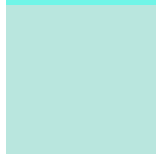
74.2087, 0.2499, 0.3093

# Trichromacy



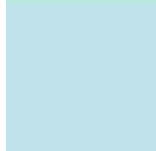
## Original Color

74.5191, 0.2495, 0.3459



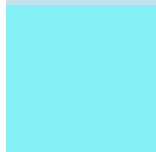
## Protanomaly

72.1818, 0.2880, 0.3381



## Deuteranomaly

72.1428, 0.2847, 0.3199



## Tritanomaly

74.4699, 0.2498, 0.3229

# Monochromacy



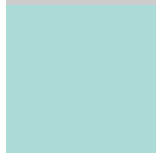
## Original Color

74.5191, 0.2495, 0.3459



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

64.1760, 0.2832, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5191, 0.2495, 0.3459 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(112, 245, 231)` looks like.

```
.text, #text, p{  
    color:rgb(112, 245, 231)  
}
```

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(112, 245, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 245, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5191, 0.2495, 0.3459 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(112, 245, 231) }
```

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

```
.border{ border-color:rgb(112, 245, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 245, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 245, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 245, 231);  
box-shadow:4px 4px 4px 4px rgb(112, 245,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5191, 0.2495, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 245, 231) }
```

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

```
.background{ background-color: rgb(112,  
245, 231) }
```

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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