

# Converting Colors

$Yxy(71.6481, 0.2520, 0.3449)$

Have a look what the booklet for  
Yxy(71.6481, 0.2520, 0.3449)  
contains.

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# Color

**Yxy(71.6481, 0.2520, 0.3449)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75F0E3
RGB	117, 240, 227
RGB Percent	46%, 94%, 89%
CMY	0.5416, 0.0588, 0.1098
CMYK	0.51, 0.00, 0.05, 0.06
HSL	174°, 80%, 70%
HSV	174°, 51%, 94%
XYZ	52.3494, 71.6481, 83.7383
YIQ	201.7410, -69.1350, -30.1190

# Conversions

## Conversions Part 2

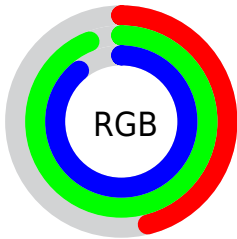
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 182, 240
Decimal	7729379
CIELab	87.80, -37.56, -4.28
CIElCh	88, 37.799, 186.495
Yxy	71.6481, 0.2520, 0.3449
Android (android.graphics.Color)	4285919459 (0xFF75F0E3)
YUV	201.7410, 12.4527, -74.3179
Hunter-Lab	84.6452, -37.7345, 0.5969

# Details

The Yxy color **71.6481, 0.2520, 0.3449** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.8356, 0.4447, 0.3153**, and the grayscale version is **58.8311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **37.5493, 0.2379, 0.3470** is the 20% darker color. If you saturate the color by 10%, you get **70.0587, 0.2447, 0.3485**, and if you desaturate by 10%, it is **73.6711, 0.2611, 0.3414**.

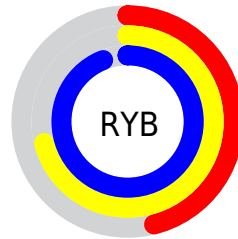
# Distribution



Red (46%)

Green (94%)

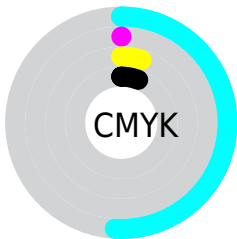
Blue (89%)



Red (46%)

Yellow (71%)

Blue (94%)

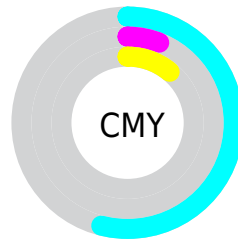


Cyan (51%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (54%)

Magenta (6%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6481, 0.2520, 0.3449 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 71.6481, 0.2520, 0.3449 by changing the saturation by 10% instead.



 71.6481, 0.2520,  
0.3449

 71.6481, 0.2520,  
0.3449


466.3158, 0.2798,  
0.3379


 52.8713, 0.2457,  
0.3464


 121.5561, 0.2616,  
0.3426

 37.7000, 0.2381,  
0.3482


 153.4560, 0.2653,  
0.3416

 25.7499, 0.2284,  
0.3503


 190.4991, 0.2686,  
0.3408

 16.6367, 0.2160,  
0.3530

233.0698, 0.2714,  
0.3401

 9.9758, 0.1994,  
0.3564

281.5524, 0.2739,  
0.3395

 5.3829, 0.1762,  
0.3606

336.3313, 0.2761,

 2.4736, 0.1421,

0.3389

397.7910, 0.2780,  
0.3384

0.3656

0.8634, 0.0000,  
0.4055

0.0000, 0.0000,  
0.0000

71.6481, 0.2520,  
0.3449

71.6481, 0.2520,  
0.3449

70.0587, 0.2447,  
0.3485

73.6711, 0.2611,  
0.3414

68.8613, 0.2393,  
0.3522


76.1492, 0.2719,  
0.3381


68.0204, 0.2359,  
0.3559


79.1122, 0.2839,  
0.3349


67.4902, 0.2343,  
0.3595

82.5850, 0.2970,  
0.3320


 67.2179, 0.2341,  
0.3627

 86.5911, 0.3109,  
0.3293

 90.0150, 0.3213,  
0.3269

 90.1689, 0.3197,  
0.3244

 90.3248, 0.3181,  
0.3220

 90.4829, 0.3165,  
0.3195

# Harmonies

## Analogous

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



71.6481, 0.2890, 0.3872



71.6481, 0.2520, 0.3449



71.6481, 0.2317, 0.3010

# Triad

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



71.6481, 0.2520, 0.3449



71.6481, 0.2864, 0.2601



71.6481, 0.4006, 0.3816

# Complementary

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



71.6481, 0.2520, 0.3449



32.8356, 0.4447, 0.3153

# 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.



71.6481, 0.4012, 0.3466



71.6481, 0.2520, 0.3449



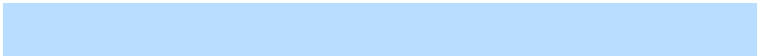
71.6481, 0.3324, 0.2796

# Square

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



71.6481, 0.2520, 0.3449



71.6481, 0.2504, 0.2560



71.6481, 0.3756, 0.3103



71.6481, 0.3753, 0.4064

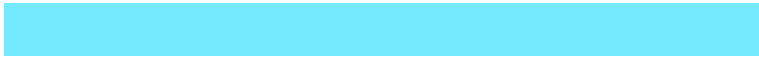


# Rectangle

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



71.6481, 0.2520, 0.3449



71.6481, 0.2291, 0.2782



71.6481, 0.3756, 0.3103



71.6481, 0.4038, 0.3706

# Sweetspot

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



71.6509, 0.2520, 0.3449



93.1956, 0.2920, 0.3331



68.4584, 0.3128, 0.4892



19.7668, 0.2892, 0.3337



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.



71.6509, 0.2520, 0.3449



80.2453, 0.2441, 0.3488



48.1273, 0.2341, 0.2678



17.8985, 0.2995, 0.3315



36.8019, 0.2339, 0.3621



3.0698, 0.2326, 0.3573



# Inverse Universe

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



32.8356, 0.4447, 0.3153



30.9972, 0.4913, 0.3139



46.3938, 0.4305, 0.3808



15.7860, 0.3277, 0.3265



10.1895, 0.6275, 0.3231

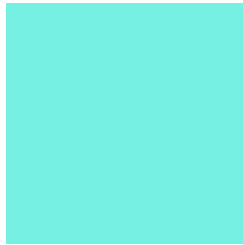


0.8566, 0.6018, 0.3089



# Previews

## White Background



This preview shows how the Yxy color 71.6481, 0.2520, 0.3449 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

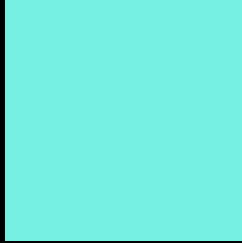
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6481, 0.2520, 0.3449 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 71.6481, 0.2520, 0.3449**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6481, 0.2520, 0.3449.

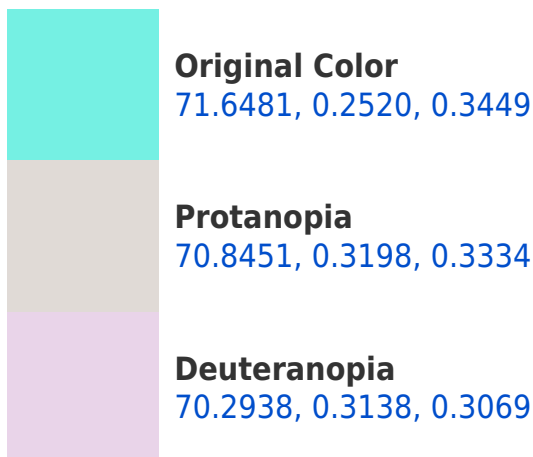


This preview shows how white text looks on a background with the Yxy color 71.6481, 0.2520, 0.3449.

# 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

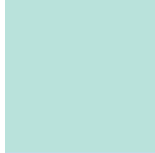
71.6465, 0.2424, 0.3065

# Trichromacy



## Original Color

71.6481, 0.2520, 0.3449



## Protanomaly

69.8215, 0.2896, 0.3371



## Deuteranomaly

69.0884, 0.2861, 0.3187



## Tritanomaly

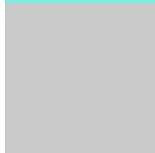
71.3719, 0.2457, 0.3192

# Monochromacy



## Original Color

71.6481, 0.2520, 0.3449



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.4728, 0.2848, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6481, 0.2520, 0.3449 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(117, 240, 227)` looks like.

```
.text, #text, p{  
    color:rgb(117, 240, 227)  
}
```

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(117, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6481, 0.2520, 0.3449 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(117, 240, 227) }
```

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

```
.border{ border-color:rgb(117, 240, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6481, 0.2520, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 227) }
```

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

```
.background{ background-color: rgb(117,  
240, 227) }
```

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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