

# Converting Colors

$Y_{xy}(74.6180, 0.2253, 0.3196)$

Have a look what the booklet for  
Yxy(74.6180, 0.2253, 0.3196)  
contains.

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# Color

**Yxy(74.3224, 0.2251, 0.3190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2EF7FF
RGB	46, 247, 255
RGB Percent	18%, 97%, 100%
CMY	0.8192, 0.0314, 0.0000
CMYK	0.82, 0.03, 0.00, 0.00
HSL	182°, 100%, 59%
HSV	182°, 82%, 100%
XYZ	52.4451, 74.3224, 106.2181
YIQ	187.8130, -122.3640, -40.1240

# Conversions

## Conversions Part 2

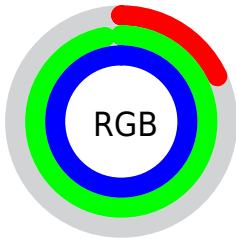
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 148, 255
Decimal	3078143
CIELab	89.07, -42.81, -17.19
CIELCh	89, 46.129, 201.881
Yxy	74.3224, 0.2251, 0.3190
Android (android.graphics.Color)	4281268223 (0xFF2EF7FF)
YUV	187.8130, 33.1232, -124.3700
Hunter-Lab	86.2104, -42.2800, -12.7027

# Details

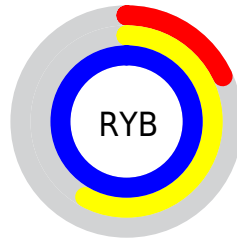
The Yxy color **74.3224, 0.2251, 0.3190** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1076, 0.5968, 0.3341**, and the grayscale version is **50.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **73.2986, 0.2225, 0.3178**, and if you desaturate by 10%, it is **75.7014, 0.2296, 0.3203**.

# Distribution



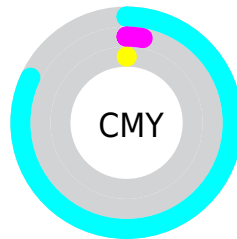
- Red (18%)
- Green (97%)
- Blue (100%)



- Red (18%)
- Yellow (58%)
- Blue (100%)



- Cyan (82%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3224, 0.2251, 0.3190 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 74.3224, 0.2251, 0.3190 by changing the saturation by 10% instead.




 74.3224, 0.2251,  
0.3190

 74.3224, 0.2251,  
0.3190


475.5853, 0.2641,  
0.3250

 55.0580, 0.2166,  
0.3173

 125.3527, 0.2383,  
0.3213

 39.4481, 0.2064,  
0.3151


 157.8874, 0.2435,  
0.3222

 27.1085, 0.1938,  
0.3121


 195.6143, 0.2481,  
0.3228

 17.6547, 0.1780,  
0.3079

 238.9177, 0.2520,  
0.3234

 10.7024, 0.1578,  
0.3015

288.1822, 0.2556,  
0.3239

 5.8671, 0.1312,  
0.2912

343.7920, 0.2587,

 2.7644, 0.0958,

0.3243

0.2735

406.1316, 0.2615,  
0.3247

■ 1.0100, 0.0000,  
0.2517

■ 0.0000, 0.0000,  
0.0000

■ 74.3224, 0.2251,  
0.3190

■ 74.3224, 0.2251,  
0.3190

■ 73.2986, 0.2225,  
0.3178


■ 75.7014, 0.2296,  
0.3203


■ 72.6637, 0.2213,  
0.3168


■ 77.4885, 0.2360,  
0.3217


■ 79.7288, 0.2444,  
0.3230


■ 82.4614, 0.2546,  
0.3242

 85.7210, 0.2665,  
0.3255

 89.5393, 0.2799,  
0.3267

 93.9452, 0.2944,  
0.3278

 98.9659, 0.3097,  
0.3288

 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



74.3224, 0.2591, 0.3750



74.3224, 0.2251, 0.3190



74.3224, 0.2134, 0.2728

# Triad

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



74.3224, 0.2251, 0.3190



74.3224, 0.3083, 0.2574



74.3224, 0.4053, 0.4086

# Complementary

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



74.3224, 0.2251, 0.3190



24.1076, 0.5968, 0.3341

# 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.



74.3224, 0.4230, 0.3706



74.3224, 0.2251, 0.3190



74.3224, 0.3645, 0.2875

# Square

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



74.3224, 0.2251, 0.3190



74.3224, 0.2580, 0.2427



74.3224, 0.4081, 0.3275



74.3224, 0.3630, 0.4289

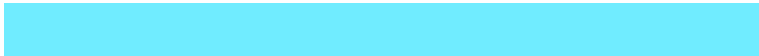


# Rectangle

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



74.3224, 0.2251, 0.3190



74.3224, 0.2185, 0.2532



74.3224, 0.4081, 0.3275



74.3224, 0.4145, 0.3972

# Sweetspot

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



74.3228, 0.2251, 0.3190



88.3002, 0.2756, 0.3263



72.3613, 0.2997, 0.5777



18.6121, 0.2709, 0.3259



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.



74.3228, 0.2251, 0.3190



72.8151, 0.2216, 0.3170



27.6275, 0.1875, 0.1781



20.3550, 0.2980, 0.3280



38.0212, 0.2214, 0.3170



3.7377, 0.2218, 0.3184



# Inverse Universe

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



29.9382, 0.3285, 0.1667



27.9893, 0.3307, 0.1600



45.7486, 0.4979, 0.4228



18.2876, 0.3144, 0.3065



14.5662, 0.3308, 0.1596

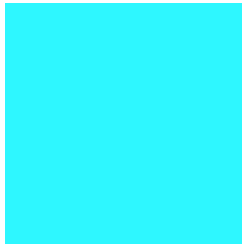


1.4219, 0.3295, 0.1589



# Previews

## White Background



This preview shows how the Yxy color 74.3224, 0.2251, 0.3190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

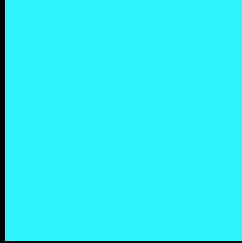
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3224, 0.2251, 0.3190 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

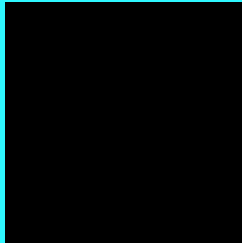
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.3224, 0.2251, 0.3190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3224, 0.2251, 0.3190.

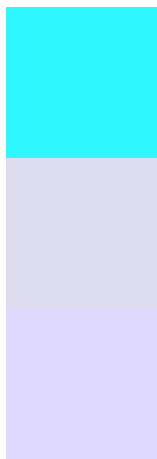


This preview shows how white text looks on a background with the Yxy color 74.3224, 0.2251, 0.3190.

# 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

74.3224, 0.2251, 0.3190

### Protanopia

72.7316, 0.3018, 0.3098

### Deuteranopia

72.5337, 0.2925, 0.2895



## Tritanopia

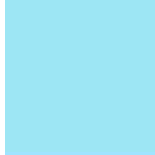
74.0522, 0.2437, 0.3113

# Trichromacy



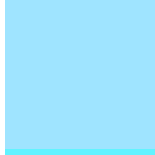
## Original Color

74.3224, 0.2251, 0.3190



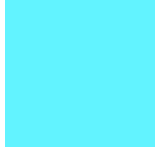
## Protanomaly

70.2934, 0.2603, 0.3126



## Deuteranomaly

70.0777, 0.2556, 0.2980



## Tritanomaly

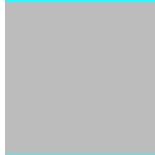
73.9179, 0.2346, 0.3145

# Monochromacy



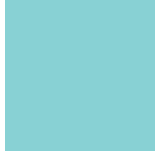
## Original Color

74.3224, 0.2251, 0.3190



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

55.5886, 0.2621, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3224, 0.2251, 0.3190 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(46, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 247, 255)  
}
```

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(46, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3224, 0.2251, 0.3190 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(46, 247, 255) }
```

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

```
.border{ border-color:rgb(46, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(46, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3224, 0.2251, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 247, 255) }
```

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

```
.background{ background-color: rgb(46, 247,  
255) }
```

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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