

# Converting Colors

$Yxy(70.2347, 0.2449, 0.3463)$

Have a look what the booklet for  
Yxy(70.2347, 0.2449, 0.3463)  
contains.

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# Color

**Yxy(70.2980, 0.2450, 0.3464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60F0E2
RGB	96, 240, 226
RGB Percent	38%, 94%, 89%
CMY	0.6232, 0.0588, 0.1136
CMYK	0.60, 0.00, 0.06, 0.06
HSL	174°, 83%, 66%
HSV	174°, 60%, 94%
XYZ	49.7200, 70.2980, 82.9208
YIQ	195.3480, -81.3300, -34.8820

# Conversions

## Conversions Part 2

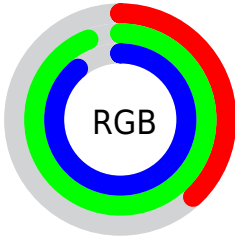
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	96, 172, 240
Decimal	6353122
CIE Lab	87.14, -41.71, -4.81
CIE LCh	87, 41.985, 186.576
Yxy	70.2980, 0.2450, 0.3464
Android (android.graphics.Color)	4284543202 (0xFF60F0E2)
YUV	195.3480, 15.1114, -87.1282
Hunter-Lab	83.8439, -40.8751, 0.0535

# Details

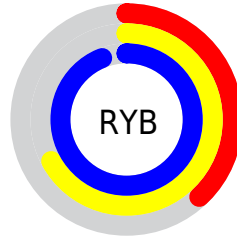
The Yxy color **70.2980, 0.2450, 0.3464** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.0305, 0.4831, 0.3154**, and the grayscale version is **54.7499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **36.8072, 0.2303, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **69.0635, 0.2393, 0.3498**, and if you desaturate by 10%, it is **71.9370, 0.2526, 0.3431**.

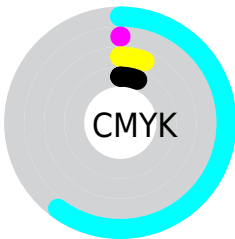
# Distribution



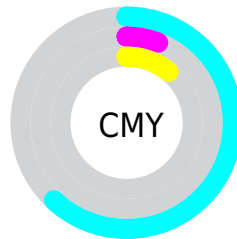
- Red (38%)
- Green (94%)
- Blue (89%)



- Red (38%)
- Yellow (67%)
- Blue (94%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (6%)




- Cyan (62%)
- Magenta (6%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2980, 0.2450, 0.3464 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 70.2980, 0.2450, 0.3464 by changing the saturation by 10% instead.





 70.2980, 0.2450,  
0.3464

 70.2980, 0.2450,  
0.3464


461.5956, 0.2760,  
0.3388

 51.7695, 0.2380,  
0.3480


 119.6336, 0.2557,  
0.3439

 36.8214, 0.2295,  
0.3499


 151.2096, 0.2599,  
0.3429

 25.0692, 0.2187,  
0.3522


 187.9034, 0.2635,  
0.3420

 16.1286, 0.2049,  
0.3550

230.0996, 0.2666,  
0.3412

 9.6152, 0.1864,  
0.3585

278.1826, 0.2694,  
0.3405

 5.1446, 0.1609,  
0.3626

332.5366, 0.2719,

 2.3324, 0.1236,

0.3399

0.3671

393.5462, 0.2741,  
0.3393

0.7908, 0.0000,  
0.3940

0.0000, 0.0000,  
0.0000

70.2980, 0.2450,  
0.3464

70.2980, 0.2450,  
0.3464

69.0635, 0.2393,  
0.3498

71.9370, 0.2526,  
0.3431

68.1878, 0.2355,  
0.3531


74.0050, 0.2621,  
0.3399


67.6291, 0.2337,  
0.3565

76.5342, 0.2731,  
0.3369

67.3127, 0.2333,  
0.3598


79.5513, 0.2854,  
0.3340


 67.3118, 0.2333,  
0.3598

 83.0810, 0.2987,  
0.3314

 87.1465, 0.3128,  
0.3290

 90.0079, 0.3212,  
0.3268

 90.1490, 0.3197,  
0.3245

 90.2918, 0.3183,  
0.3223

# Harmonies

## Analogous

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



70.2980, 0.2857, 0.3946



70.2980, 0.2450, 0.3464



70.2980, 0.2229, 0.2971

# Triad

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



70.2980, 0.2450, 0.3464



70.2980, 0.2834, 0.2530



70.2980, 0.4107, 0.3868

# Complementary

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



70.2980, 0.2450, 0.3464



28.0305, 0.4831, 0.3154

# 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.



70.2980, 0.4117, 0.3479



70.2980, 0.2450, 0.3464



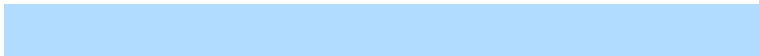
70.2980, 0.3346, 0.2744

# Square

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



70.2980, 0.2450, 0.3464



70.2980, 0.2436, 0.2481



70.2980, 0.3831, 0.3080



70.2980, 0.3820, 0.4152



# Rectangle

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



70.2980, 0.2450, 0.3464



70.2980, 0.2202, 0.2719



70.2980, 0.3831, 0.3080



70.2980, 0.4144, 0.3745

# Sweetspot

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



70.3007, 0.2450, 0.3464



92.0264, 0.2879, 0.3335



66.5081, 0.3104, 0.5192



19.4613, 0.2841, 0.3343



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.



70.3007, 0.2450, 0.3464



79.0001, 0.2383, 0.3505



42.4129, 0.2219, 0.2518



17.9010, 0.2994, 0.3313



36.8603, 0.2331, 0.3592



3.0741, 0.2319, 0.3548



# Inverse Universe

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



28.0305, 0.4831, 0.3154



26.5424, 0.5390, 0.3156



42.3638, 0.4564, 0.3902



15.7837, 0.3278, 0.3267



10.1841, 0.6289, 0.3238

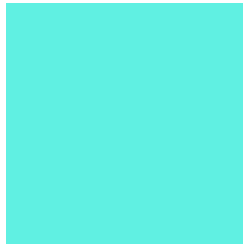


0.8556, 0.6047, 0.3105



# Previews

## White Background



This preview shows how the Yxy color 70.2980, 0.2450, 0.3464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

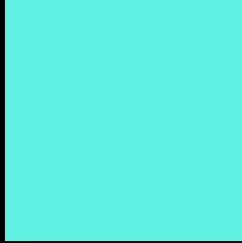
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2980, 0.2450, 0.3464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

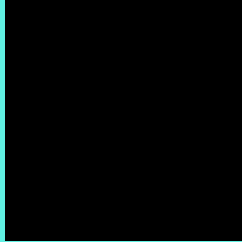
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.2980, 0.2450, 0.3464**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2980, 0.2450, 0.3464.

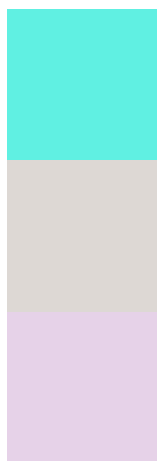


This preview shows how white text looks on a background with the Yxy color 70.2980, 0.2450, 0.3464.

# 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

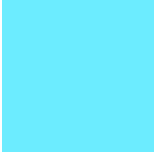
70.2980, 0.2450, 0.3464

### Protanopia

69.2374, 0.3191, 0.3334

### Deuteranopia

68.7424, 0.3123, 0.3057



## **Tritanopia**

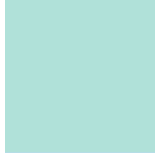
70.3991, 0.2358, 0.3061

# Trichromacy



## Original Color

70.2980, 0.2450, 0.3464



## Protanomaly

68.0903, 0.2850, 0.3384



## Deuteranomaly

67.2498, 0.2803, 0.3185



## Tritanomaly

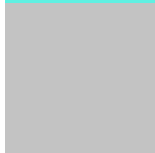
70.0431, 0.2392, 0.3202

# Monochromacy



## Original Color

70.2980, 0.2450, 0.3464



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.4157, 0.2797, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2980, 0.2450, 0.3464 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(96, 240, 226)` looks like.

```
.text, #text, p{  
    color:rgb(96, 240, 226)  
}
```

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(96, 240, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 240, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2980, 0.2450, 0.3464 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(96, 240, 226) }
```

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

```
.border{ border-color:rgb(96, 240, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 240, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 240, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 240, 226);  
box-shadow:4px 4px 4px 4px rgb(96, 240,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2980, 0.2450, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 240, 226) }
```

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

```
.background{ background-color: rgb(96, 240,  
226) }
```

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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