

# Converting Colors

$Yxy(66.4282, 0.2351, 0.3360)$

Have a look what the booklet for  
Yxy(66.4282, 0.2351, 0.3360)  
contains.

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# Color

**Yxy(66.4134, 0.2354, 0.3365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47EBE5
RGB	71, 235, 229
RGB Percent	28%, 92%, 90%
CMY	0.7207, 0.0785, 0.1020
CMYK	0.70, 0.00, 0.03, 0.08
HSL	178°, 80%, 60%
HSV	178°, 70%, 92%
XYZ	46.4598, 66.4134, 84.4921
YIQ	185.2800, -95.8180, -36.6340

# Conversions

## Conversions Part 2

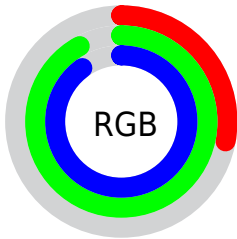
Format	Color
<a href="#">RYB</a>	<a href="#">71, 155, 235</a>
Decimal	<a href="#">4713445</a>
CIELab	<a href="#">85.21, -42.37, -9.29</a>
CIELCh	<a href="#">85, 43.377, 192.370</a>
Yxy	<a href="#">66.4134, 0.2354, 0.3365</a>
Android (android.graphics.Color)	<a href="#">4282903525 (0xFF47EBE5)</a>
YUV	<a href="#">185.2800, 21.5540, -100.2236</a>
Hunter-Lab	<a href="#">81.4944, -40.8528, -4.4248</a>

# Details

The Yxy color **66.4134, 0.2354, 0.3365** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.7332, 0.5406, 0.3245**, and the grayscale version is **48.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **34.8968, 0.2266, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **65.6417, 0.2312, 0.3377**, and if you desaturate by 10%, it is **67.5340, 0.2416, 0.3353**.

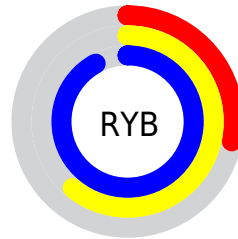
# Distribution



Red (28%)

Green (92%)

Blue (90%)



Red (28%)

Yellow (61%)

Blue (92%)

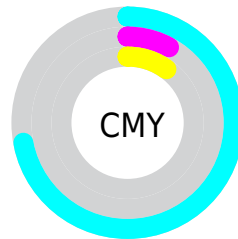


Cyan (70%)

Magenta (0%)

Yellow (3%)

Black (8%)



Cyan (72%)

Magenta (8%)


Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4134, 0.2354, 0.3365 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 66.4134, 0.2354, 0.3365 by changing the saturation by 10% instead.



 66.4134, 0.2354,  
0.3365


 66.4134, 0.2354,  
0.3365


447.8539, 0.2709,  
0.3339


 48.6081, 0.2274,  
0.3369


 114.0795, 0.2476,  
0.3358

 34.3087, 0.2176,  
0.3372


 144.7090, 0.2524,  
0.3355

 23.1308, 0.2054,  
0.3374


 180.3820, 0.2565,  
0.3351

 14.6901, 0.1896,  
0.3373

 221.4830, 0.2601,  
0.3349

 8.6022, 0.1688,  
0.3365

268.3963, 0.2633,  
0.3346

 4.4826, 0.1402,  
0.3340

321.5062, 0.2661,

 1.9470, 0.0954,

0.3343

381.1973, 0.2686,  
0.3341

0.3282

0.5764, 0.0000,  
0.3052

0.0000, 0.0000,  
0.0000

66.4134, 0.2354,  
0.3365

66.4134, 0.2354,  
0.3365

65.6417, 0.2312,  
0.3377

67.5340, 0.2416,  
0.3353

65.1694, 0.2288,  
0.3389


69.0313, 0.2497,  
0.3341


64.9297, 0.2278,  
0.3401


70.9388, 0.2596,  
0.3330


64.9236, 0.2278,  
0.3401


73.2844, 0.2712,  
0.3319

 76.0933, 0.2842,  
0.3308

 79.3891, 0.2983,  
0.3299

 83.1936, 0.3132,  
0.3290

 86.7206, 0.3257,  
0.3282

 86.7707, 0.3251,  
0.3273

# Harmonies

## Analogous

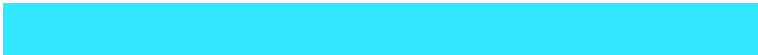
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4134, 0.2748, 0.3897



66.4134, 0.2354, 0.3365



66.4134, 0.2167, 0.2866

# Triad

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



66.4134, 0.2354, 0.3365



66.4134, 0.2916, 0.2525



66.4134, 0.4118, 0.3964

# Complementary

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



66.4134, 0.2354, 0.3365



22.7332, 0.5406, 0.3245

# 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.



66.4134, 0.4193, 0.3567



66.4134, 0.2354, 0.3365



66.4134, 0.3463, 0.2777

# Square

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



66.4134, 0.2354, 0.3365



66.4134, 0.2468, 0.2437



66.4134, 0.3948, 0.3145



66.4134, 0.3770, 0.4231



# Rectangle

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



66.4134, 0.2354, 0.3365



66.4134, 0.2169, 0.2629



66.4134, 0.3948, 0.3145



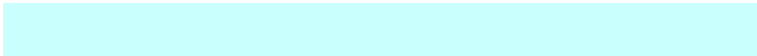
66.4134, 0.4178, 0.3840

# Sweetspot

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



66.4159, 0.2354, 0.3365



91.0943, 0.2823, 0.3310



61.5488, 0.3053, 0.5508



19.2897, 0.2786, 0.3312



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.



66.4159, 0.2354, 0.3365



78.7122, 0.2298, 0.3383



32.9370, 0.2073, 0.2245



17.1118, 0.2986, 0.3298



36.1404, 0.2278, 0.3399



2.8409, 0.2273, 0.3383



# Inverse Universe

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



22.7332, 0.5406, 0.3245



23.0509, 0.6022, 0.3261



38.3427, 0.4798, 0.4042



15.0630, 0.3287, 0.3282



9.8443, 0.6361, 0.3278

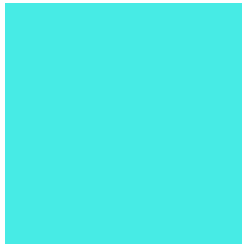


0.7762, 0.6255, 0.3219



# Previews

## White Background



This preview shows how the Yxy color 66.4134, 0.2354, 0.3365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

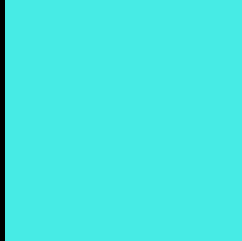
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4134, 0.2354, 0.3365 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 66.4134, 0.2354, 0.3365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4134, 0.2354, 0.3365.

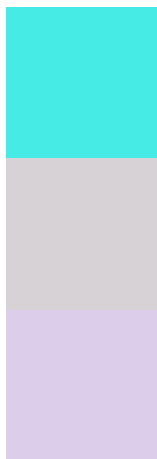


This preview shows how white text looks on a background with the Yxy color 66.4134, 0.2354, 0.3365.

# 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

66.4134, 0.2354, 0.3365

### Protanopia

65.2444, 0.3129, 0.3245

### Deuteranopia

64.8764, 0.3032, 0.2965



## Tritanopia

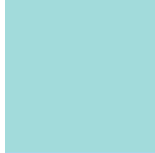
66.5173, 0.2288, 0.3054

# Trichromacy



## Original Color

66.4134, 0.2354, 0.3365



## Protanomaly

63.4589, 0.2748, 0.3289



## Deuteranomaly

63.1019, 0.2689, 0.3086



## Tritanomaly

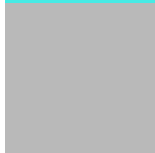
66.4112, 0.2311, 0.3162

# Monochromacy



## Original Color

66.4134, 0.2354, 0.3365



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

52.8582, 0.2722, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4134, 0.2354, 0.3365 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(71, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 229)  
}
```

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(71, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4134, 0.2354, 0.3365 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(71, 235, 229) }
```

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

```
.border{ border-color:rgb(71, 235, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4134, 0.2354, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 229) }
```

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

```
.background{ background-color: rgb(71, 235,  
229) }
```

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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