

Converting Colors

$Y_{xy}(67.4979, 0.2352, 0.3317)$

Have a look what the booklet for
Yxy(67.4979, 0.2352, 0.3317)
contains.

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Color

Yxy(67.5092, 0.2351, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	4DECEA
RGB	77, 236, 234
RGB Percent	30%, 93%, 92%
CMY	0.6981, 0.0745, 0.0823
CMYK	0.67, 0.00, 0.01, 0.07
HSL	179°, 81%, 61%
HSV	179°, 67%, 93%
XYZ	47.9065, 67.5092, 88.3549
YIQ	188.2310, -94.1220, -34.3300

Conversions

Conversions Part 2

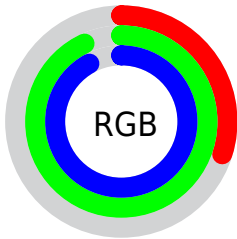
Format	Color
RYB	77, 157, 236
Decimal	5106922
CIELab	85.76, -40.71, -11.10
CIElCh	86, 42.195, 195.248
Yxy	67.5092, 0.2351, 0.3313
Android (android.graphics.Color)	4283297002 (0xFF4DECEA)
YUV	188.2310, 22.5641, -97.5496
Hunter-Lab	82.1640, -39.7109, -6.2426




Details

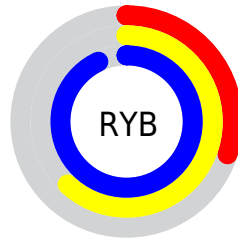
The Yxy color **67.5092, 0.2351, 0.3313** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **23.7023, 0.5348, 0.3279**, and the grayscale version is **50.3348, 0.3127, 0.3290**.




A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **35.4546, 0.2251, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **66.6851, 0.2303, 0.3317**, and if you desaturate by 10%, it is **68.6943, 0.2419, 0.3309**.

Distribution







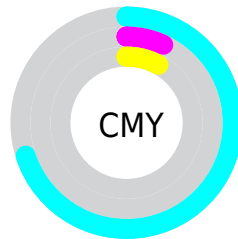
-  Red (30%)
-  Green (93%)
-  Blue (92%)






-  Red (30%)
-  Yellow (62%)
-  Blue (93%)



-  Cyan (67%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (7%)




-  Cyan (70%)
-  Magenta (7%)
-  Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5092, 0.2351, 0.3313 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 67.5092, 0.2351, 0.3313 by changing the saturation by 10% instead.


 67.5092, 0.2351,
0.3313

 67.5092, 0.2351,
0.3313

451.7551, 0.2706,
0.3312


 49.4986, 0.2272,
0.3311


 115.6497, 0.2473,
0.3315


 35.0151, 0.2175,
0.3306


 146.5484, 0.2521,
0.3315

 23.6745, 0.2053,
0.3299


 182.5119, 0.2562,
0.3315

 15.0924, 0.1898,
0.3286

 223.9246, 0.2598,
0.3314

 8.8842, 0.1693,
0.3261

271.1708, 0.2630,
0.3314

 4.6657, 0.1414,
0.3211

324.6351, 0.2658,

 2.0525, 0.1006,

0.3313

0.3108

384.7017, 0.2683,
0.3313

0.6377, 0.0000,
0.2897

0.0000, 0.0000,
0.0000

67.5092, 0.2351,
0.3313

67.5092, 0.2351,
0.3313

66.6851, 0.2303,
0.3317

68.6943, 0.2419,
0.3309

66.1736, 0.2273,
0.3321


70.2673, 0.2506,
0.3305

65.9239, 0.2260,
0.3325


72.2613, 0.2611,
0.3302


65.8796, 0.2257,
0.3326

74.7037, 0.2733,
0.3298

 77.6197, 0.2868,
0.3295

 81.0324, 0.3014,
0.3292

 84.9638, 0.3168,
0.3289

 87.3319, 0.3253,
0.3287

 87.3492, 0.3251,
0.3284

Harmonies

Analogous

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



67.5092, 0.2717, 0.3832



67.5092, 0.2351, 0.3313



67.5092, 0.2189, 0.2843

Triad

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



67.5092, 0.2351, 0.3313



67.5092, 0.2972, 0.2564



67.5092, 0.4065, 0.3977

Complementary

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



67.5092, 0.2351, 0.3313



23.7023, 0.5348, 0.3279

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.



67.5092, 0.4165, 0.3600



67.5092, 0.2351, 0.3313



67.5092, 0.3504, 0.2823

Square

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



67.5092, 0.2351, 0.3313



67.5092, 0.2523, 0.2463



67.5092, 0.3956, 0.3189



67.5092, 0.3708, 0.4214

Rectangle

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



67.5092, 0.2351, 0.3313



67.5092, 0.2205, 0.2625



67.5092, 0.3956, 0.3189



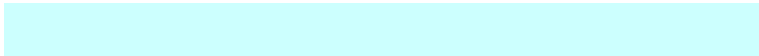
67.5092, 0.4131, 0.3861

Sweetspot

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



67.5118, 0.2351, 0.3313



91.5363, 0.2830, 0.3296



62.2186, 0.3035, 0.5456



19.3795, 0.2792, 0.3297



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.



67.5118, 0.2351, 0.3313



79.2137, 0.2289, 0.3319



32.4781, 0.2081, 0.2208



17.1185, 0.2983, 0.3293



36.3139, 0.2257, 0.3325



2.8526, 0.2256, 0.3320

Inverse Universe

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



23.7023, 0.5348, 0.3279



23.6503, 0.5960, 0.3285



41.4277, 0.4681, 0.4086



15.0571, 0.3291, 0.3288



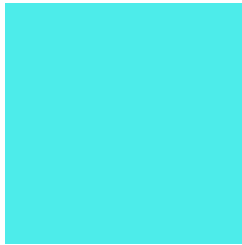
9.8348, 0.6387, 0.3292



0.7733, 0.6350, 0.3272

Previews

White Background



This preview shows how the Yxy color 67.5092, 0.2351, 0.3313 looks on a white background.

Color Contrast Check

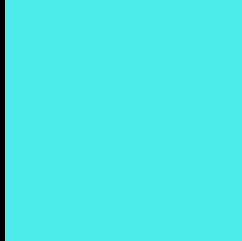
Large Text (above 18pt) WCAG AA × Fail

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 67.5092, 0.2351, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

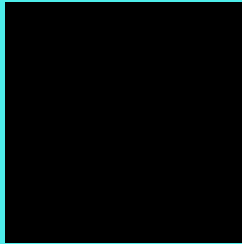
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5092, 0.2351, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 67.5092, 0.2351, 0.3313.

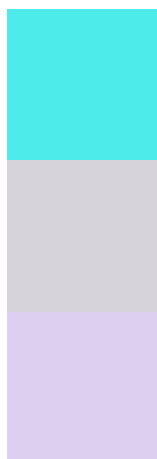


This preview shows how white text looks on a background with the Yxy color 67.5092, 0.2351, 0.3313.

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

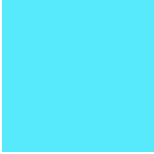
67.5092, 0.2351, 0.3313

Protanopia

65.9991, 0.3095, 0.3201

Deuteranopia

66.1326, 0.2998, 0.2935



Tritanopia

67.3323, 0.2298, 0.3055

Trichromacy



Original Color

67.5092, 0.2351, 0.3313



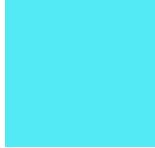
Protanomaly

64.4607, 0.2733, 0.3241



Deuteranomaly

64.6407, 0.2676, 0.3054



Tritanomaly

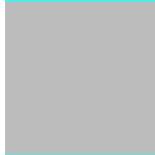
67.2772, 0.2317, 0.3151

Monochromacy



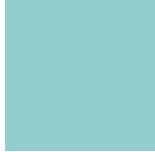
Original Color

67.5092, 0.2351, 0.3313



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

54.3663, 0.2726, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5092, 0.2351, 0.3313 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(77, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(77, 236, 234)  
}
```

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(77, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 236, 234) }
```

Border

The CSS property to change the border of an element to Yxy 67.5092, 0.2351, 0.3313 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(77, 236, 234) }
```

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

```
.border{ border-color:rgb(77, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(77, 236,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5092, 0.2351, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 236, 234) }
```

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

```
.background{ background-color: rgb(77, 236,  
234) }
```

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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