

Converting Colors

$Yxy(65.8399, 0.2484, 0.3313)$

Have a look what the booklet for
Yxy(65.8399, 0.2484, 0.3313)
contains.

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Color

Yxy(65.8399, 0.2484, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	73E6E4
RGB	115, 230, 228
RGB Percent	45%, 90%, 89%
CMY	0.5494, 0.0980, 0.1058
CMYK	0.50, 0.00, 0.01, 0.10
HSL	179°, 70%, 68%
HSV	179°, 50%, 90%
XYZ	49.3650, 65.8399, 83.5270
YIQ	195.3870, -67.8980, -25.0020

Conversions

Conversions Part 2

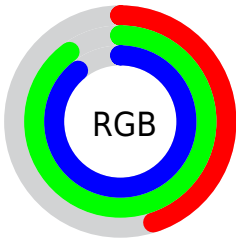
Format	Color
RYB	115, 173, 230
Decimal	7595748
CIELab	84.91, -33.07, -9.09
CIELCh	85, 34.293, 195.378
Yxy	65.8399, 0.2484, 0.3313
Android (android.graphics.Color)	4285785828 (0xFF73E6E4)
YUV	195.3870, 16.0782, -70.4994
Hunter-Lab	81.1418, -33.4023, -4.2336

Details

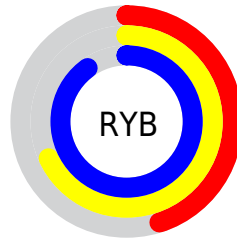
The Yxy color **65.8399, 0.2484, 0.3313** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3486, 0.4524, 0.3272**, and the grayscale version is **54.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **33.9422, 0.2331, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **64.4523, 0.2402, 0.3318**, and if you desaturate by 10%, it is **67.6215, 0.2584, 0.3308**.

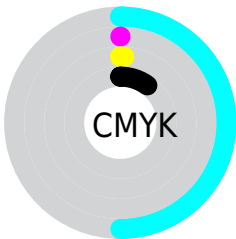
Distribution



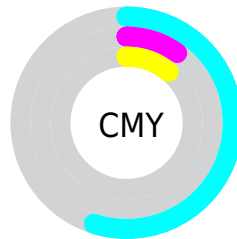
- Red (45%)
- Green (90%)
- Blue (89%)



- Red (45%)
- Yellow (68%)
- Blue (90%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)





- Cyan (55%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8399, 0.2484, 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 65.8399, 0.2484, 0.3313 by changing the saturation by 10% instead.

 65.8399, 0.2484,
0.3313

 65.8399, 0.2484,
0.3313

445.8041, 0.2781,
0.3309

 48.1424, 0.2417,
0.3312


 113.2565, 0.2587,
0.3313

 33.9397, 0.2334,
0.3310

 143.7445, 0.2627,
0.3313

 22.8473, 0.2229,
0.3306


 179.2647, 0.2661,
0.3312

 14.4808, 0.2094,
0.3299

220.2016, 0.2691,
0.3311

 8.4558, 0.1912,
0.3283

266.9396, 0.2718,
0.3311

 4.3880, 0.1657,
0.3251

319.8631, 0.2741,

 1.8929, 0.1279,

0.3310

379.3565, 0.2762,
0.3310

0.3175

0.5441, 0.0000,
0.3028

0.0000, 0.0000,
0.0000

65.8399, 0.2484,
0.3313

65.8399, 0.2484,
0.3313

64.4523, 0.2402,
0.3318

67.6215, 0.2584,
0.3308

63.4215, 0.2340,
0.3324


69.8159, 0.2701,
0.3303


62.7165, 0.2297,
0.3329


72.4498, 0.2833,
0.3298


62.2970, 0.2272,
0.3335


75.5455, 0.2975,
0.3294

 62.0942, 0.2261,
0.3340

 79.1237, 0.3127,
0.3290

 83.2041, 0.3283,
0.3287

 83.6186, 0.3295,
0.3283

 83.6410, 0.3293,
0.3279

 83.6634, 0.3290,
0.3275

Harmonies

Analogous

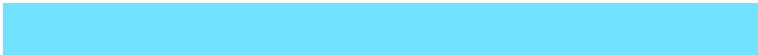
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8399, 0.2792, 0.3727



65.8399, 0.2484, 0.3313



65.8399, 0.2346, 0.2928

Triad

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



65.8399, 0.2484, 0.3313



65.8399, 0.3005, 0.2684



65.8399, 0.3900, 0.3868

Complementary

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



65.8399, 0.2484, 0.3313



30.3486, 0.4524, 0.3272

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.



65.8399, 0.3977, 0.3560



65.8399, 0.2484, 0.3313



65.8399, 0.3440, 0.2903

Square

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



65.8399, 0.2484, 0.3313



65.8399, 0.2629, 0.2600



65.8399, 0.3806, 0.3214



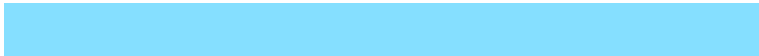
65.8399, 0.3611, 0.4048

Rectangle

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



65.8399, 0.2484, 0.3313



65.8399, 0.2359, 0.2743



65.8399, 0.3806, 0.3214



65.8399, 0.3953, 0.3774

Sweetspot

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



65.8424, 0.2484, 0.3313



93.4111, 0.2902, 0.3296



61.7404, 0.3074, 0.4871



19.8193, 0.2872, 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.



65.8424, 0.2484, 0.3313



81.3964, 0.2400, 0.3319



40.5211, 0.2334, 0.2561



16.3319, 0.2984, 0.3294



35.1521, 0.2261, 0.3340



2.5990, 0.2259, 0.3331

Inverse Universe

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



30.3486, 0.4524, 0.3272



31.7751, 0.4995, 0.3271



46.2978, 0.4201, 0.3902



14.3720, 0.3290, 0.3286



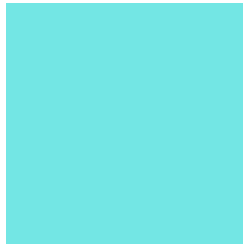
9.5310, 0.6382, 0.3289



0.7057, 0.6328, 0.3260

Previews

White Background



This preview shows how the Yxy color 65.8399, 0.2484, 0.3313 looks on a white background.

Color Contrast Check

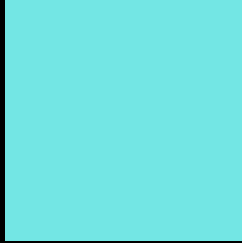
Large Text (above 18pt) WCAG AA × Fail

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 65.8399, 0.2484, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

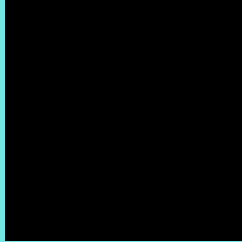
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8399, 0.2484, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 65.8399, 0.2484, 0.3313.

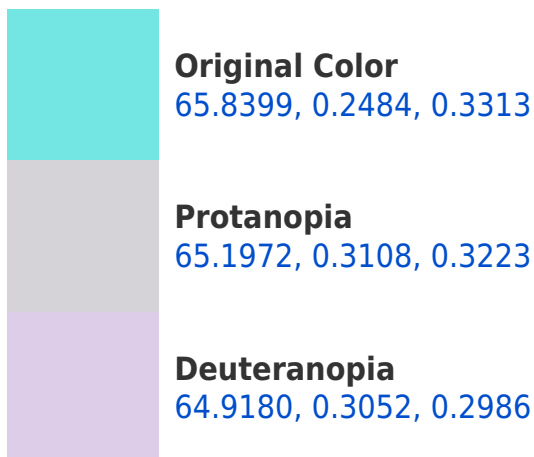


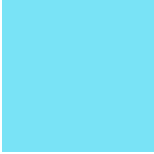
This preview shows how white text looks on a background with the Yxy color 65.8399, 0.2484, 0.3313.

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





Tritanopia

65.6569, 0.2421, 0.3057

Trichromacy



Original Color

65.8399, 0.2484, 0.3313



Protanomaly

64.1401, 0.2834, 0.3253



Deuteranomaly

63.8077, 0.2798, 0.3091



Tritanomaly

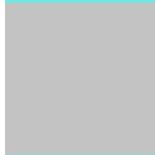
65.6407, 0.2446, 0.3152

Monochromacy



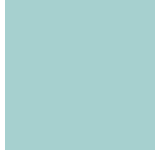
Original Color

65.8399, 0.2484, 0.3313



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.7237, 0.2834, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8399, 0.2484, 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(115, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(115, 230, 228)  
}
```

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(115, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 230, 228) }
```

Border

The CSS property to change the border of an element to Yxy 65.8399, 0.2484, 0.3313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

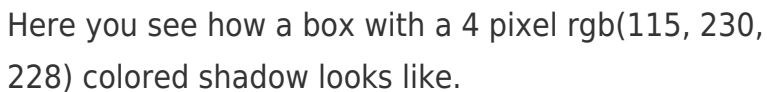
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 230, 228) }
```

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

```
.border{ border-color:rgb(115, 230, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 230, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 230, 228); box-shadow:4px 4px 4px 4px rgb(115, 230, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8399, 0.2484, 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(115, 230, 228) }
```

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

```
.background{ background-color: rgb(115,  
230, 228) }
```

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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