

Converting Colors

$Yxy(64.8835, 0.2428, 0.3454)$

Have a look what the booklet for
Yxy(64.8835, 0.2428, 0.3454)
contains.

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Color

Yxy(64.8539, 0.2430, 0.3458)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 57E8DB |
| RGB | 87, 232, 219 |
| RGB Percent | 34%, 91%, 86% |
| CMY | 0.6586, 0.0902, 0.1413 |
| CMYK | 0.62, 0.00, 0.06, 0.09 |
| HSL | 175°, 76%, 63% |
| HSV | 175°, 62%, 91% |
| XYZ | 45.5740, 64.8539, 77.1195 |
| YIQ | 187.1630, -82.2470, -34.7830 |

Conversions

Conversions Part 2

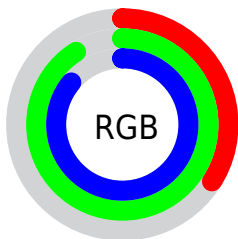
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 87, 163, 232 |
| Decimal | 5761243 |
| CIE Lab | 84.41, -41.45, -5.16 |
| CIE LCh | 84, 41.767, 187.097 |
| Yxy | 64.8539, 0.2430, 0.3458 |
| Android (android.graphics.Color) | 4283951323 (0xFF57E8DB) |
| YUV | 187.1630, 15.6956, -87.8430 |
| Hunter-Lab | 80.5319, -39.9155, -0.4053 |

Details

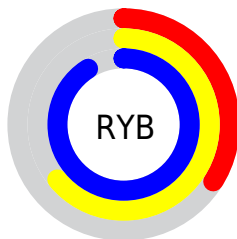
The Yxy color **64.8539, 0.2430, 0.3458** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.9020, 0.4953, 0.3163**, and the grayscale version is **49.7431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **33.7310, 0.2305, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **63.8036, 0.2377, 0.3489**, and if you desaturate by 10%, it is **66.2693, 0.2502, 0.3428**.

Distribution



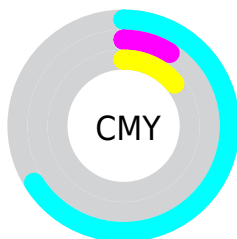
- Red (34%)
- Green (91%)
- Blue (86%)



- Red (34%)
- Yellow (64%)
- Blue (91%)



- Cyan (62%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (66%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8539, 0.2430, 0.3458 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 64.8539, 0.2430, 0.3458 by changing the saturation by 10% instead.


 64.8539, 0.2430,
0.3458

 64.8539, 0.2430,
0.3458


442.2668, 0.2754,
0.3385

 47.3426, 0.2356,
0.3474


 111.8398, 0.2542,
0.3433

 33.3066, 0.2265,
0.3492


 142.0832, 0.2586,
0.3424

 22.3614, 0.2150,
0.3514


 177.3394, 0.2624,
0.3415

 14.1227, 0.2001,
0.3541

 217.9929, 0.2656,
0.3407

 8.2061, 0.1800,
0.3574

264.4279, 0.2685,
0.3401

 4.2271, 0.1519,
0.3610

317.0290, 0.2711,

 1.8014, 0.1028,

0.3395

0.3672

376.1805, 0.2733,
0.3389

0.4880, 0.0000,
0.3536

0.0000, 0.0000,
0.0000

64.8539, 0.2430,
0.3458

64.8539, 0.2430,
0.3458

63.8036, 0.2377,
0.3489

66.2693, 0.2502,
0.3428

63.0752, 0.2344,
0.3520

68.0733, 0.2593,
0.3398

62.6280, 0.2328,
0.3550


70.2962, 0.2700,
0.3370


62.4255, 0.2326,
0.3573


72.9632, 0.2820,
0.3343

 76.0975, 0.2952,
0.3318

 79.7206, 0.3092,
0.3295

 83.8528, 0.3236,
0.3275

 85.0103, 0.3261,
0.3254

 85.1319, 0.3248,
0.3234

Harmonies

Analogous

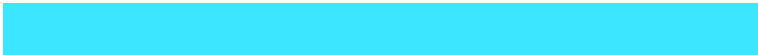
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.8539, 0.2843, 0.3954



64.8539, 0.2430, 0.3458



64.8539, 0.2209, 0.2955

Triad

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



64.8539, 0.2430, 0.3458



64.8539, 0.2835, 0.2517



64.8539, 0.4125, 0.3885

Complementary

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



64.8539, 0.2430, 0.3458



24.9020, 0.4953, 0.3163

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.



64.8539, 0.4142, 0.3488



64.8539, 0.2430, 0.3458



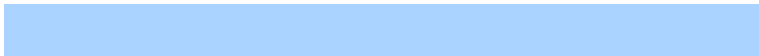
64.8539, 0.3360, 0.2738

Square

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



64.8539, 0.2430, 0.3458



64.8539, 0.2427, 0.2464



64.8539, 0.3854, 0.3082



64.8539, 0.3827, 0.4174

Rectangle

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



64.8539, 0.2430, 0.3458



64.8539, 0.2184, 0.2701



64.8539, 0.3854, 0.3082



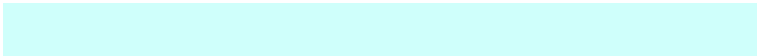
64.8539, 0.4165, 0.3759

Sweetspot

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



64.8564, 0.2430, 0.3458



91.6635, 0.2864, 0.3334



61.2015, 0.3100, 0.5269



19.3919, 0.2827, 0.3342



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.



64.8564, 0.2430, 0.3458



78.7641, 0.2365, 0.3498



38.1351, 0.2189, 0.2481



16.3129, 0.2994, 0.3311



34.6653, 0.2325, 0.3568



2.5682, 0.2312, 0.3524

Inverse Universe

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



24.9020, 0.4953, 0.3163



25.4917, 0.5542, 0.3172



38.1052, 0.4641, 0.3919



14.3889, 0.3278, 0.3269



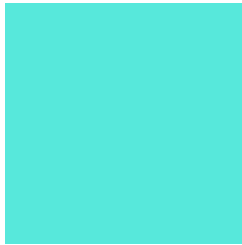
9.5617, 0.6297, 0.3242



0.7138, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 64.8539, 0.2430, 0.3458 looks on a white background.

Color Contrast Check

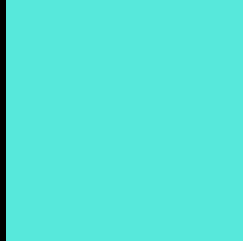
Large Text (above 18pt) WCAG AA × Fail

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 64.8539, 0.2430, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

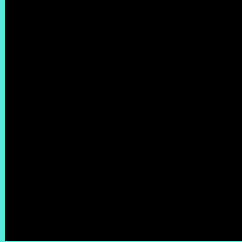
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

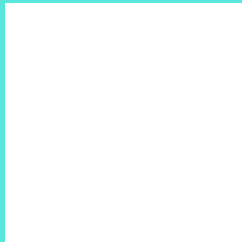
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8539, 0.2430, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 64.8539, 0.2430, 0.3458.

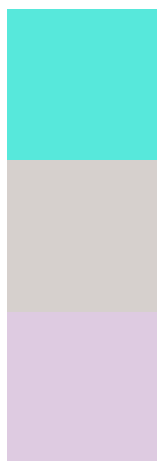


This preview shows how white text looks on a background with the Yxy color 64.8539, 0.2430, 0.3458.

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

64.8539, 0.2430, 0.3458

Protanopia

63.8157, 0.3194, 0.3324

Deuteranopia

63.6777, 0.3116, 0.3049



Tritanopia

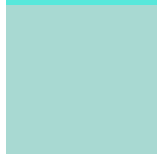
64.7933, 0.2343, 0.3065

Trichromacy



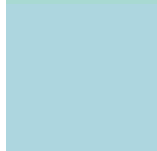
Original Color

64.8539, 0.2430, 0.3458



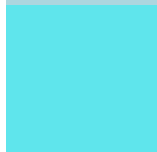
Protanomaly

62.6037, 0.2836, 0.3375



Deuteranomaly

62.3051, 0.2788, 0.3181



Tritanomaly

64.5276, 0.2374, 0.3199

Monochromacy



Original Color

64.8539, 0.2430, 0.3458



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.4147, 0.2779, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8539, 0.2430, 0.3458 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(87, 232, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 232, 219)  
}
```

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(87, 232, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 232, 219) }
```

Border

The CSS property to change the border of an element to Yxy 64.8539, 0.2430, 0.3458 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(87, 232, 219) }
```

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

```
.border{ border-color:rgb(87, 232, 219) }
```

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

Here you see how a box with a 4 pixel rgb(87, 232, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 232, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 232, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 232,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8539, 0.2430, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 232, 219) }
```

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

```
.background{ background-color: rgb(87, 232,  
219) }
```

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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