

Converting Colors

$Yxy(64.3133, 0.2399, 0.3327)$

Have a look what the booklet for
Yxy(64.3133, 0.2399, 0.3327)
contains.

| | |
|--|----|
| Yxy(64.3133, 0.2399, 0.3327) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(64.3133, 0.2399, 0.3327)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5AE6E3 |
| RGB | 90, 230, 227 |
| RGB Percent | 35%, 90%, 89% |
| CMY | 0.6471, 0.0980, 0.1099 |
| CMYK | 0.61, 0.00, 0.01, 0.10 |
| HSL | 179°, 74%, 63% |
| HSV | 179°, 61%, 90% |
| XYZ | 46.3744, 64.3133, 82.6195 |
| YIQ | 187.7980, -82.4770, -30.6130 |

Conversions

Conversions Part 2

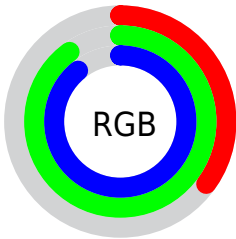
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 90, 161, 230 |
| Decimal | 5957347 |
| CIELab | 84.13, -37.96, -9.78 |
| CIElCh | 84, 39.204, 194.452 |
| Yxy | 64.3133, 0.2399, 0.3327 |
| Android (android.graphics.Color) | 4284147427 (0xFF5AE6E3) |
| YUV | 187.7980, 19.3266, -85.7688 |
| Hunter-Lab | 80.1956, -37.1217, -4.9451 |

Details

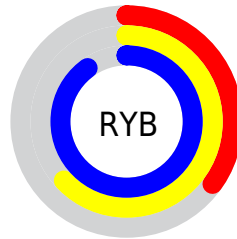
The Yxy color **64.3133, 0.2399, 0.3327** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **24.9277, 0.5012, 0.3265**, and the grayscale version is **50.0924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **33.2507, 0.2256, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **63.3078, 0.2339, 0.3334**, and if you desaturate by 10%, it is **65.6805, 0.2479, 0.3320**.

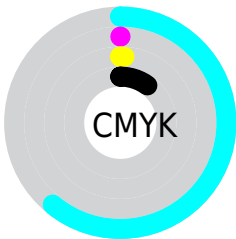
Distribution



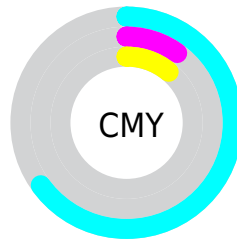
- Red (35%)
- Green (90%)
- Blue (89%)



- Red (35%)
- Yellow (63%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3133, 0.2399, 0.3327 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 64.3133, 0.2399, 0.3327 by changing the saturation by 10% instead.


 64.3133, 0.2399,
0.3327


 64.3133, 0.2399,
0.3327


440.3201, 0.2736,
0.3318


 46.9045, 0.2323,
0.3327

 111.0620, 0.2515,
0.3326

 32.9601, 0.2229,
0.3325


 141.1707, 0.2561,
0.3325

 22.0959, 0.2111,
0.3322


 176.2815, 0.2600,
0.3324

 13.9274, 0.1958,
0.3313

 216.7787, 0.2634,
0.3322

 8.0702, 0.1754,
0.3296

263.0468, 0.2664,
0.3321

 4.1399, 0.1472,
0.3256

315.4701, 0.2691,

 1.7521, 0.1016,

0.3320

0.3178

374.4331, 0.2714,
0.3319

■ 0.4571, 0.0000,
0.2761

■ 0.0000, 0.0000,
0.0000

■ 64.3133, 0.2399,
0.3327

■ 64.3133, 0.2399,
0.3327

■ 63.3078, 0.2339,
0.3334

■ 65.6805, 0.2479,
0.3320

■ 62.6226, 0.2297,
0.3341


■ 67.4318, 0.2577,
0.3313


■ 62.2192, 0.2274,
0.3348


■ 69.5963, 0.2693,
0.3307


■ 62.0348, 0.2265,
0.3354


■ 72.1984, 0.2822,
0.3301

 75.2606, 0.2964,
0.3295

 78.8036, 0.3114,
0.3290

 82.8472, 0.3269,
0.3286

 83.6250, 0.3294,
0.3281

 83.6533, 0.3291,
0.3276

Harmonies

Analogous

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



64.3133, 0.2752, 0.3811



64.3133, 0.2399, 0.3327



64.3133, 0.2238, 0.2880

Triad

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



64.3133, 0.2399, 0.3327



64.3133, 0.2969, 0.2596



64.3133, 0.4021, 0.3936

Complementary

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



64.3133, 0.2399, 0.3327



24.9277, 0.5012, 0.3265

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.



64.3133, 0.4106, 0.3578



64.3133, 0.2399, 0.3327



64.3133, 0.3470, 0.2839

Square

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



64.3133, 0.2399, 0.3327



64.3133, 0.2546, 0.2504



64.3133, 0.3901, 0.3187



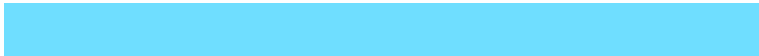
64.3133, 0.3691, 0.4159

Rectangle

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



64.3133, 0.2399, 0.3327



64.3133, 0.2250, 0.2668



64.3133, 0.3901, 0.3187



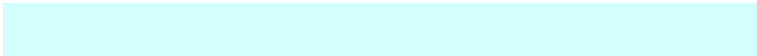
64.3133, 0.4080, 0.3826

Sweetspot

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



64.3158, 0.2399, 0.3327



92.2459, 0.2860, 0.3299



59.7510, 0.3057, 0.5244



19.5158, 0.2820, 0.3301



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.



64.3158, 0.2399, 0.3327



79.7423, 0.2326, 0.3336



34.6790, 0.2178, 0.2368



16.3307, 0.2985, 0.3295



35.1206, 0.2265, 0.3353



2.5970, 0.2262, 0.3343

Inverse Universe

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



24.9277, 0.5012, 0.3265



25.9774, 0.5606, 0.3268



41.1175, 0.4511, 0.4010



14.3730, 0.3289, 0.3285



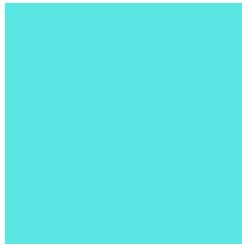
9.5327, 0.6377, 0.3287



0.7062, 0.6310, 0.3250

Previews

White Background



This preview shows how the Yxy color 64.3133, 0.2399, 0.3327 looks on a white background.

Color Contrast Check

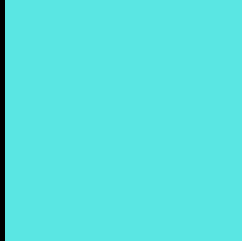
Large Text (above 18pt) WCAG AA × Fail

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 64.3133, 0.2399, 0.3327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

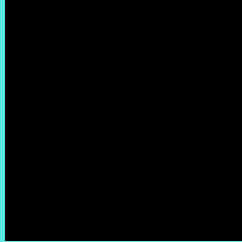
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3133, 0.2399, 0.3327

Background



This preview shows how black text looks on a background with the Yxy color 64.3133, 0.2399, 0.3327.

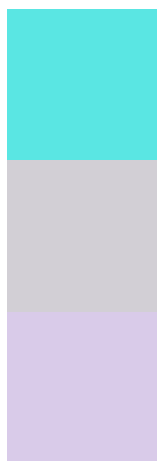


This preview shows how white text looks on a background with the Yxy color 64.3133, 0.2399, 0.3327.

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

64.3133, 0.2399, 0.3327

Protanopia

63.1314, 0.3108, 0.3222

Deuteranopia

63.3468, 0.3023, 0.2961



Tritanopia

64.1887, 0.2336, 0.3052

Trichromacy



Original Color

64.3133, 0.2399, 0.3327



Protanomaly

61.7698, 0.2774, 0.3252



Deuteranomaly

62.0159, 0.2727, 0.3075



Tritanomaly

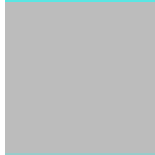
64.1517, 0.2358, 0.3149

Monochromacy



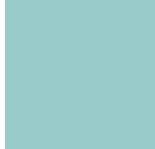
Original Color

64.3133, 0.2399, 0.3327



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.6515, 0.2767, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3133, 0.2399, 0.3327 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(90, 230, 227)` looks like.

```
.text, #text, p{  
    color:rgb(90, 230, 227)  
}
```

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(90, 230, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 230, 227) }
```

Border

The CSS property to change the border of an element to Yxy 64.3133, 0.2399, 0.3327 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(90, 230, 227) }
```

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

```
.border{ border-color:rgb(90, 230, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 230, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 230, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 230, 227);  
box-shadow:4px 4px 4px 4px rgb(90, 230,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3133, 0.2399, 0.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 230, 227) }
```

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

```
.background{ background-color: rgb(90, 230,  
227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor