

Converting Colors

$Yxy(62.8767, 0.2599, 0.3760)$

Have a look what the booklet for
Yxy(62.8767, 0.2599, 0.3760)
contains.

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Color

Yxy(62.8767, 0.2599, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	68E5C2
RGB	104, 229, 194
RGB Percent	41%, 90%, 76%
CMY	0.5923, 0.1019, 0.2392
CMYK	0.55, 0.00, 0.15, 0.10
HSL	163°, 71%, 65%
HSV	163°, 55%, 90%
XYZ	43.4618, 62.8767, 60.8867
YIQ	187.6350, -63.2650, -37.3850

Conversions

Conversions Part 2

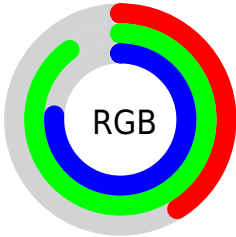
Format	Color
RYB	104, 177, 229
Decimal	6874562
CIELab	83.38, -43.14, 6.57
CIELCh	83, 43.642, 171.344
Yxy	62.8767, 0.2599, 0.3760
Android (android.graphics.Color)	4285064642 (0xFF68E5C2)
YUV	187.6350, 3.1379, -73.3479
Hunter-Lab	79.2948, -40.9293, 9.9804

Details

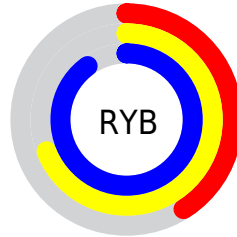
The Yxy color **62.8767, 0.2599, 0.3760** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **28.4138, 0.4277, 0.2899**, and the grayscale version is **50.0751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3146, 0.2647, 0.3344**, and **32.1207, 0.2468, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **61.4087, 0.2545, 0.3864**, and if you desaturate by 10%, it is **64.7341, 0.2670, 0.3660**.

Distribution



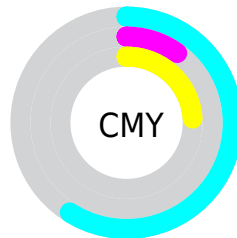
- Red (41%)
- Green (90%)
- Blue (76%)



- Red (41%)
- Yellow (69%)
- Blue (90%)



- Cyan (55%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)





- Cyan (59%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8767, 0.2599, 0.3760 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 62.8767, 0.2599, 0.3760 by changing the saturation by 10% instead.


 62.8767, 0.2599,
0.3760

 62.8767, 0.2599,
0.3760


435.1219, 0.2852,
0.3531

 45.7415, 0.2539,
0.3815


 108.9916, 0.2688,
0.3678

 32.0419, 0.2465,
0.3885


 138.7401, 0.2722,
0.3647

 21.3935, 0.2368,
0.3977


 173.4617, 0.2752,
0.3621

 13.4119, 0.2240,
0.4101

213.5410, 0.2777,
0.3598

 7.7128, 0.2061,
0.4278

259.3622, 0.2799,
0.3578

 3.9117, 0.1795,
0.4552

311.3099, 0.2819,

 1.6243, 0.1127,

0.3560

369.7683, 0.2836,
0.3545

0.5165

0.3739, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8767, 0.2599,
0.3760

62.8767, 0.2599,
0.3760

61.4087, 0.2545,
0.3864

64.7341, 0.2670,
0.3660

60.2915, 0.2511,
0.3970


67.0010, 0.2756,
0.3565


59.4916, 0.2497,
0.4077

69.7048, 0.2854,
0.3477


58.9651, 0.2502,
0.4182


72.8687, 0.2961,
0.3396


 58.7568, 0.2511,
0.4239

 76.5139, 0.3074,
0.3322

 80.6604, 0.3190,
0.3255

 83.5283, 0.3243,
0.3193

 83.9137, 0.3201,
0.3131

 84.3126, 0.3160,
0.3070

Harmonies

Analogous

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



62.8767, 0.3103, 0.4187



62.8767, 0.2599, 0.3760



62.8767, 0.2255, 0.3200

Triad

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



62.8767, 0.2599, 0.3760



62.8767, 0.2572, 0.2426



62.8767, 0.4231, 0.3699

Complementary

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



62.8767, 0.2599, 0.3760



28.4138, 0.4277, 0.2899

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.



62.8767, 0.4076, 0.3267



62.8767, 0.2599, 0.3760



62.8767, 0.3073, 0.2570

Square

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



62.8767, 0.2599, 0.3760



62.8767, 0.2244, 0.2473



62.8767, 0.3636, 0.2868



62.8767, 0.4059, 0.4080

Rectangle

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



62.8767, 0.2599, 0.3760



62.8767, 0.2148, 0.2870



62.8767, 0.3636, 0.2868



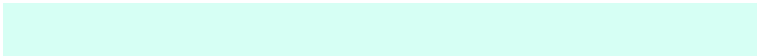
62.8767, 0.4216, 0.3556

Sweetspot

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



62.8792, 0.2599, 0.3760



92.3524, 0.2945, 0.3407



62.5644, 0.3252, 0.4935



19.5817, 0.2922, 0.3424



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.



62.8792, 0.2599, 0.3760



78.0806, 0.2538, 0.3883



50.7986, 0.2360, 0.2927



16.2640, 0.3019, 0.3357



33.6128, 0.2506, 0.4222



2.4995, 0.2464, 0.4069

Inverse Universe

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



28.4138, 0.4277, 0.2899



29.7438, 0.4689, 0.2852



33.9039, 0.4558, 0.3599



14.4340, 0.3249, 0.3224



9.7542, 0.5826, 0.2983



0.7363, 0.5409, 0.2754

Previews

White Background



This preview shows how the Yxy color 62.8767, 0.2599, 0.3760 looks on a white background.

Color Contrast Check

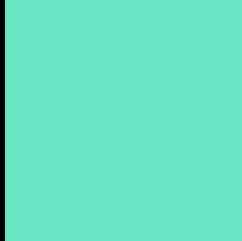
Large Text (above 18pt) WCAG AA × Fail

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 62.8767, 0.2599, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

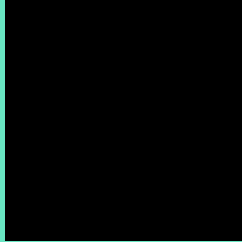
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

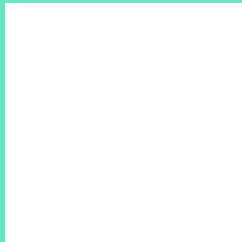
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8767, 0.2599, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 62.8767, 0.2599, 0.3760.

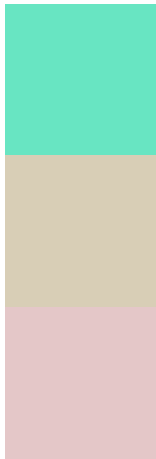


This preview shows how white text looks on a background with the Yxy color 62.8767, 0.2599, 0.3760.

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

62.8767, 0.2599, 0.3760

Protanopia

62.1189, 0.3379, 0.3568

Deuteranopia

61.5110, 0.3351, 0.3280



Tritanopia

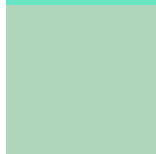
62.4558, 0.2427, 0.3065

Trichromacy



Original Color

62.8767, 0.2599, 0.3760



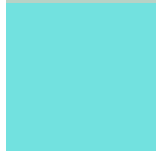
Protanomaly

60.7523, 0.3032, 0.3641



Deuteranomaly

60.2377, 0.3011, 0.3437



Tritanomaly

62.7555, 0.2492, 0.3314

Monochromacy



Original Color

62.8767, 0.2599, 0.3760



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.5977, 0.2877, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8767, 0.2599, 0.3760 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(104, 229, 194)` looks like.

```
.text, #text, p{  
    color:rgb(104, 229, 194)  
}
```

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(104, 229, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 229, 194) }
```

Border

The CSS property to change the border of an element to Yxy 62.8767, 0.2599, 0.3760 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(104, 229, 194) }
```

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

```
.border{ border-color:rgb(104, 229, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 229, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 229, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 229, 194);  
box-shadow:4px 4px 4px 4px rgb(104, 229,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8767, 0.2599, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 229, 194) }
```

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

```
.background{ background-color: rgb(104,  
229, 194) }
```

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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