

Converting Colors

$Y_{xy}(58.5443, 0.2458, 0.3094)$

Have a look what the booklet for
Yxy(58.5443, 0.2458, 0.3094)
contains.

Yxy(58.3635, 0.2455, 0.3084)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.3635, 0.2455, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	78D7E7
RGB	120, 215, 231
RGB Percent	47%, 84%, 91%
CMY	0.5298, 0.1568, 0.0941
CMYK	0.48, 0.07, 0.00, 0.09
HSL	189°, 70%, 69%
HSV	189°, 48%, 91%
XYZ	46.4599, 58.3635, 84.4227
YIQ	188.4190, -61.7560, -15.1640

Conversions

Conversions Part 2

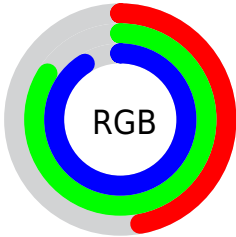
Format	Color
RYB	120, 171, 231
Decimal	7919591
CIELab	80.94, -23.98, -16.60
CIElCh	81, 29.164, 214.690
Yxy	58.3635, 0.2455, 0.3084
Android (android.graphics.Color)	4286109671 (0xFF78D7E7)
YUV	188.4190, 20.9924, -60.0035
Hunter-Lab	76.3960, -25.1390, -12.0422

Details

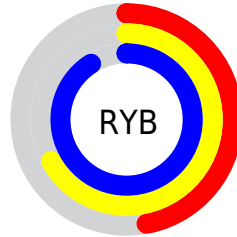
The Yxy color **58.3635, 0.2455, 0.3084** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.9213, 0.4367, 0.3476**, and the grayscale version is **50.4329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **29.1666, 0.2296, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **55.2340, 0.2351, 0.3034**, and if you desaturate by 10%, it is **61.9302, 0.2575, 0.3132**.

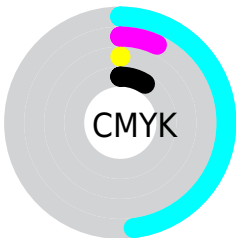
Distribution



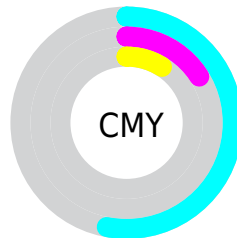
- Red (47%)
- Green (84%)
- Blue (91%)



- Red (47%)
- Yellow (67%)
- Blue (91%)



- Cyan (48%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (53%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3635, 0.2455, 0.3084 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 58.3635, 0.2455, 0.3084 by changing the saturation by 10% instead.


 58.3635, 0.2455,
0.3084


 58.3635, 0.2455,
0.3084


418.5391, 0.2770,
0.3191


 42.1010, 0.2383,
0.3057

 102.4520, 0.2565,
0.3123

 29.1803, 0.2293,
0.3021


 131.0468, 0.2607,
0.3138

 19.2173, 0.2179,
0.2974


 164.5210, 0.2644,
0.3150

 11.8274, 0.2031,
0.2909

203.2592, 0.2676,
0.3161

 6.6263, 0.1830,
0.2812

247.6457, 0.2704,
0.3170

 3.2295, 0.1548,
0.2657

298.0649, 0.2728,

 1.2527, 0.1082,

0.3178

0.2395

354.9012, 0.2750,
0.3185

0.1041, 0.0000,
0.0737

0.0000, 0.0000,
0.0000

58.3635, 0.2455,
0.3084

58.3635, 0.2455,
0.3084

55.2340, 0.2351,
0.3034

61.9302, 0.2575,
0.3132

52.5055, 0.2265,
0.2983

65.9537, 0.2708,
0.3178


50.1470, 0.2199,
0.2931


70.4605, 0.2852,
0.3221

48.1192, 0.2152,
0.2880

75.4729, 0.3002,
0.3260


 46.3672, 0.2122,
0.2830

 81.0121, 0.3157,
0.3297

 46.0494, 0.2117,
0.2820

 86.4267, 0.3289,
0.3329

 88.3479, 0.3285,
0.3362

 90.3049, 0.3282,
0.3394

 92.2978, 0.3278,
0.3426

Harmonies

Analogous

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



58.3635, 0.2638, 0.3446



58.3635, 0.2455, 0.3084



58.3635, 0.2440, 0.2811

Triad

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



58.3635, 0.2455, 0.3084



58.3635, 0.3269, 0.2863



58.3635, 0.3667, 0.3924

Complementary

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



58.3635, 0.2455, 0.3084



35.9213, 0.4367, 0.3476

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.



58.3635, 0.3861, 0.3719



58.3635, 0.2455, 0.3084



58.3635, 0.3628, 0.3119

Square

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



58.3635, 0.2455, 0.3084



58.3635, 0.2890, 0.2705



58.3635, 0.3849, 0.3426



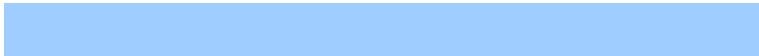
58.3635, 0.3332, 0.3959

Rectangle

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



58.3635, 0.2455, 0.3084



58.3635, 0.2524, 0.2708



58.3635, 0.3849, 0.3426



58.3635, 0.3751, 0.3871

Sweetspot

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



58.3657, 0.2455, 0.3084



90.6122, 0.2912, 0.3237



62.8834, 0.2982, 0.4612



19.1097, 0.2879, 0.3228



0.0000, 0.0000, 0.0000



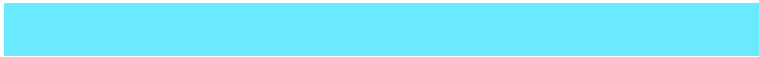
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3657, 0.2455, 0.3084



69.0353, 0.2349, 0.3033



35.1199, 0.2315, 0.2333



15.9642, 0.2981, 0.3255



25.9551, 0.2119, 0.2828



2.0152, 0.2140, 0.2902

Inverse Universe

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



35.3064, 0.3337, 0.2269



37.7204, 0.3393, 0.2087



55.2872, 0.4042, 0.4077



14.5777, 0.3160, 0.3091



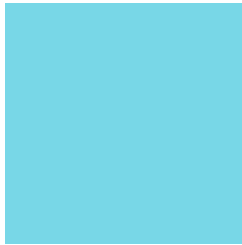
11.8179, 0.3609, 0.1762



0.8831, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 58.3635, 0.2455, 0.3084 looks on a white background.

Color Contrast Check

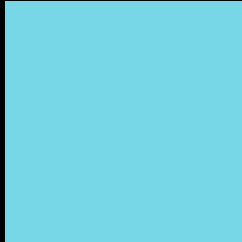
Large Text (above 18pt) WCAG AA × Fail

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 58.3635, 0.2455, 0.3084 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 58.3635, 0.2455, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 58.3635, 0.2455, 0.3084.

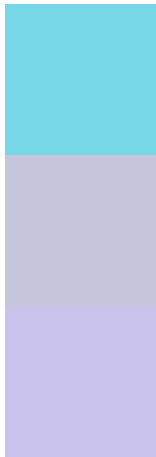


This preview shows how white text looks on a background with the Yxy color 58.3635, 0.2455, 0.3084.

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

58.3635, 0.2455, 0.3084

Protanopia

57.4258, 0.2964, 0.3032

Deuteranopia

57.5849, 0.2899, 0.2836



Tritanopia

58.4201, 0.2451, 0.3072

Trichromacy



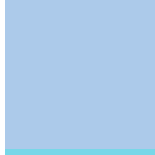
Original Color

58.3635, 0.2455, 0.3084



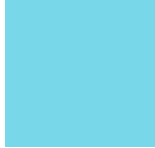
Protanomaly

57.0026, 0.2746, 0.3045



Deuteranomaly

56.9522, 0.2704, 0.2906



Tritanomaly

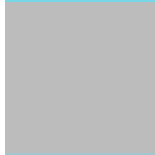
58.4201, 0.2451, 0.3072

Monochromacy



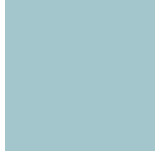
Original Color

58.3635, 0.2455, 0.3084



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.5343, 0.2824, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3635, 0.2455, 0.3084 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(120, 215, 231)` looks like.

```
.text, #text, p{  
    color:rgb(120, 215, 231)  
}
```

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(120, 215, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 231) }
```

Border

The CSS property to change the border of an element to Yxy 58.3635, 0.2455, 0.3084 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(120, 215, 231) }
```

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

```
.border{ border-color:rgb(120, 215, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 215, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 215, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 215, 231);  
box-shadow:4px 4px 4px 4px rgb(120, 215,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3635, 0.2455, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 231) }
```

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

```
.background{ background-color: rgb(120,  
215, 231) }
```

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