

Converting Colors

$Y_{xy}(58.1085, 0.2555, 0.3230)$

Have a look what the booklet for
Yxy(58.1085, 0.2555, 0.3230)
contains.

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Color

Yxy(58.3825, 0.2558, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	81D7DB
RGB	129, 215, 219
RGB Percent	51%, 84%, 86%
CMY	0.4942, 0.1568, 0.1412
CMYK	0.41, 0.02, 0.00, 0.14
HSL	183°, 56%, 68%
HSV	183°, 41%, 86%
XYZ	46.1361, 58.3825, 75.8413
YIQ	189.7420, -52.5400, -16.9880

Conversions

Conversions Part 2

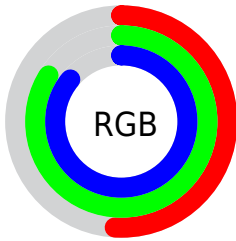
Format	Color
RYB	129, 173, 219
Decimal	8509403
CIELab	80.95, -24.94, -10.13
CIElCh	81, 26.921, 202.106
Yxy	58.3825, 0.2558, 0.3237
Android (android.graphics.Color)	4286699483 (0xFF81D7DB)
YUV	189.7420, 14.4242, -53.2707
Hunter-Lab	76.4084, -25.9350, -5.3640

Details

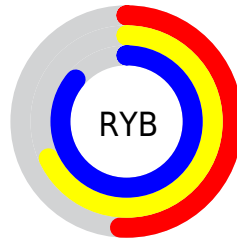
The Yxy color **58.3825, 0.2558, 0.3237** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4065, 0.4156, 0.3341**, and the grayscale version is **51.2736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **29.1997, 0.2418, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **56.3590, 0.2454, 0.3222**, and if you desaturate by 10%, it is **60.7809, 0.2678, 0.3251**.

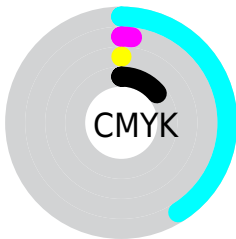
Distribution



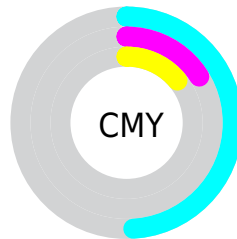
- Red (51%)
- Green (84%)
- Blue (86%)



- Red (51%)
- Yellow (68%)
- Blue (86%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)





- Cyan (49%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3825, 0.2558, 0.3237 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 58.3825, 0.2558, 0.3237 by changing the saturation by 10% instead.


 58.3825, 0.2558,
0.3237

 58.3825, 0.2558,
0.3237


418.6097, 0.2827,
0.3268


 42.1162, 0.2495,
0.3228


 102.4797, 0.2652,
0.3249

 29.1923, 0.2418,
0.3216


 131.0793, 0.2689,
0.3254

 19.2264, 0.2318,
0.3199


 164.5589, 0.2720,
0.3257

 11.8339, 0.2187,
0.3174

203.3029, 0.2747,
0.3260

 6.6307, 0.2007,
0.3133

247.6955, 0.2771,
0.3263

 3.2322, 0.1746,
0.3062

298.1213, 0.2792,

 1.2542, 0.1274,

0.3265

0.2940

354.9645, 0.2810,
0.3267

■ 0.1053, 0.0000,
0.1134

■ 0.0000, 0.0000,
0.0000

■ 58.3825, 0.2558,
0.3237

■ 58.3825, 0.2558,
0.3237

■ 56.3590, 0.2454,
0.3222

■ 60.7809, 0.2678,
0.3251

■ 54.6798, 0.2368,
0.3208


■ 63.5690, 0.2813,
0.3265

■ 53.3208, 0.2301,
0.3193


■ 66.7689, 0.2957,
0.3277

■ 52.2517, 0.2253,
0.3178

■ 70.3992, 0.3110,
0.3289


 51.4362, 0.2223,
0.3163


 74.4774, 0.3268,
0.3299

 50.8683, 0.2208,
0.3150

 77.9857, 0.3387,
0.3309

 78.4971, 0.3386,
0.3319

 79.0115, 0.3385,
0.3329

 79.5288, 0.3383,
0.3338

Harmonies

Analogous

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



58.3825, 0.2787, 0.3574



58.3825, 0.2558, 0.3237



58.3825, 0.2476, 0.2940

Triad

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



58.3825, 0.2558, 0.3237



58.3825, 0.3109, 0.2819



58.3825, 0.3722, 0.3813

Complementary

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



58.3825, 0.2558, 0.3237



33.4065, 0.4156, 0.3341

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.



58.3825, 0.3825, 0.3582



58.3825, 0.2558, 0.3237



58.3825, 0.3460, 0.3024

Square

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



58.3825, 0.2558, 0.3237



58.3825, 0.2780, 0.2722



58.3825, 0.3728, 0.3296



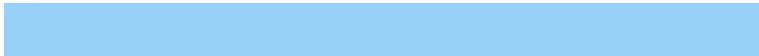
58.3825, 0.3458, 0.3916

Rectangle

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



58.3825, 0.2558, 0.3237



58.3825, 0.2511, 0.2805



58.3825, 0.3728, 0.3296



58.3825, 0.3777, 0.3747

Sweetspot

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



58.3848, 0.2558, 0.3237



93.7923, 0.2942, 0.3276



56.9852, 0.3051, 0.4511



19.9424, 0.2923, 0.3274



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.



58.3848, 0.2558, 0.3237



80.0203, 0.2470, 0.3225



38.9000, 0.2461, 0.2630



14.7258, 0.2982, 0.3279



30.2122, 0.2209, 0.3152



1.9884, 0.2216, 0.3176

Inverse Universe

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



35.6614, 0.3212, 0.2322



44.1083, 0.3231, 0.2146



48.0802, 0.3929, 0.3864



13.2644, 0.3145, 0.3070



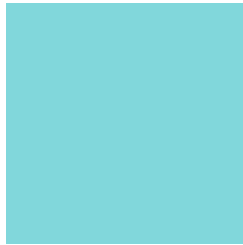
11.6737, 0.3322, 0.1604



0.7594, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 58.3825, 0.2558, 0.3237 looks on a white background.

Color Contrast Check

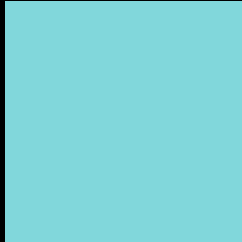
Large Text (above 18pt) WCAG AA × Fail

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 58.3825, 0.2558, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

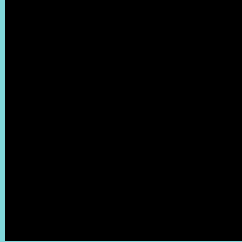
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3825, 0.2558, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 58.3825, 0.2558, 0.3237.



This preview shows how white text looks on a background with the Yxy color 58.3825, 0.2558, 0.3237.

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

58.3825, 0.2558, 0.3237

Protanopia

57.8678, 0.3071, 0.3172

Deuteranopia

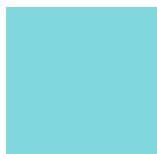
57.9132, 0.3034, 0.2971



Tritanopia

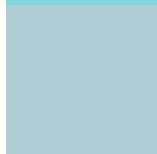
58.2072, 0.2513, 0.3073

Trichromacy



Original Color

58.3825, 0.2558, 0.3237



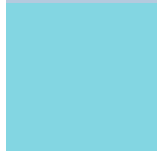
Protanomaly

57.5807, 0.2855, 0.3191



Deuteranomaly

57.2183, 0.2830, 0.3048



Tritanomaly

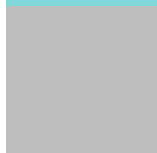
58.4094, 0.2530, 0.3135

Monochromacy



Original Color

58.3825, 0.2558, 0.3237



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.3887, 0.2880, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3825, 0.2558, 0.3237 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(129, 215, 219)` looks like.

```
.text, #text, p{  
    color:rgb(129, 215, 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(129, 215, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 215, 219) }
```

Border

The CSS property to change the border of an element to Yxy 58.3825, 0.2558, 0.3237 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(129, 215, 219) }
```

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

```
.border{ border-color:rgb(129, 215, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 215, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 215, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 215, 219);  
box-shadow:4px 4px 4px 4px rgb(129, 215,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3825, 0.2558, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 215, 219) }
```

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

```
.background{ background-color: rgb(129,  
215, 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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