

Converting Colors

$Yxy(57.8419, 0.2358, 0.3165)$

Have a look what the booklet for
Yxy(57.8419, 0.2358, 0.3165)
contains.

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Color

Yxy(57.8127, 0.2360, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	59DAE3
RGB	89, 218, 227
RGB Percent	35%, 85%, 89%
CMY	0.6511, 0.1451, 0.1098
CMYK	0.61, 0.04, 0.00, 0.11
HSL	184°, 71%, 62%
HSV	184°, 61%, 89%
XYZ	43.0540, 57.8127, 81.5653
YIQ	180.4550, -79.7730, -24.5490

Conversions

Conversions Part 2

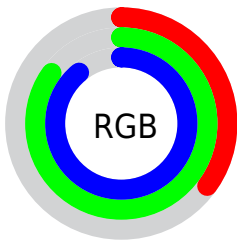
Format	Color
R _Y B	89, 156, 227
Decimal	5888739
CIE Lab	80.63, -32.53, -15.03
CIE LCh	81, 35.835, 204.796
Yxy	57.8127, 0.2360, 0.3169
Android (android.graphics.Color)	4284078819 (0xFF59DAE3)
YUV	180.4550, 22.9467, -80.2060
Hunter-Lab	76.0347, -31.9866, -10.3784

Details

The Yxy color **57.8127, 0.2360, 0.3169** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.7815, 0.4976, 0.3390**, and the grayscale version is **45.8021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **29.1729, 0.2202, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **56.0961, 0.2290, 0.3147**, and if you desaturate by 10%, it is **59.8866, 0.2449, 0.3191**.

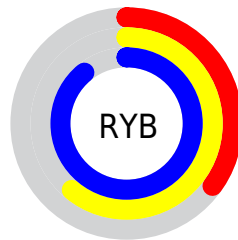
Distribution



Red (35%)

Green (85%)

Blue (89%)



Red (35%)

Yellow (61%)

Blue (89%)

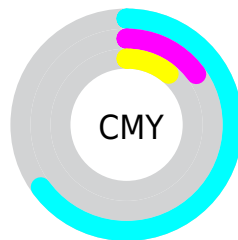


Cyan (61%)

Magenta (4%)

Yellow (0%)

Black (11%)



Cyan (65%)


Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8127, 0.2360, 0.3169 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 57.8127, 0.2360, 0.3169 by changing the saturation by 10% instead.


 57.8127, 0.2360,
0.3169


 57.8127, 0.2360,
0.3169


416.4877, 0.2719,
0.3238

 41.6581, 0.2278,
0.3150


 101.6501, 0.2485,
0.3196

 28.8337, 0.2176,
0.3124


 130.1016, 0.2534,
0.3205

 18.9550, 0.2047,
0.3089


 163.4209, 0.2575,
0.3213

 11.6378, 0.1880,
0.3038

 201.9923, 0.2612,
0.3220

 6.4975, 0.1656,
0.2958

246.2004, 0.2643,
0.3225

 3.1499, 0.1343,
0.2824

296.4293, 0.2672,

 1.2105, 0.0704,

0.3230

0.2622

353.0636, 0.2697,
0.3234

0.0702, 0.0000,
0.0582

0.0000, 0.0000,
0.0000

57.8127, 0.2360,
0.3169

57.8127, 0.2360,
0.3169

56.0961, 0.2290,
0.3147

59.8866, 0.2449,
0.3191

54.6972, 0.2239,
0.3124

62.3401, 0.2556,
0.3213

53.5787, 0.2207,
0.3102

65.2012, 0.2679,
0.3234

52.7369, 0.2190,
0.3083

68.4935, 0.2815,
0.3253

72.2386, 0.2961,
0.3272

76.4569, 0.3115,
0.3289

81.1673, 0.3272,
0.3304

83.3137, 0.3321,
0.3319

84.1401, 0.3319,
0.3333

Harmonies

Analogous

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



57.8127, 0.2639, 0.3633



57.8127, 0.2360, 0.3169



57.8127, 0.2276, 0.2789

Triad

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



57.8127, 0.2360, 0.3169



57.8127, 0.3140, 0.2694



57.8127, 0.3890, 0.3998

Complementary

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



57.8127, 0.2360, 0.3169



25.7815, 0.4976, 0.3390

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.



57.8127, 0.4057, 0.3692



57.8127, 0.2360, 0.3169



57.8127, 0.3609, 0.2967

Square

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



57.8127, 0.2360, 0.3169



57.8127, 0.2699, 0.2553



57.8127, 0.3956, 0.3321



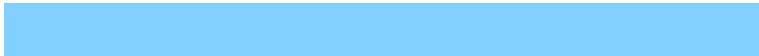
57.8127, 0.3519, 0.4134

Rectangle

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



57.8127, 0.2360, 0.3169



57.8127, 0.2333, 0.2628



57.8127, 0.3956, 0.3321



57.8127, 0.3973, 0.3909

Sweetspot

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



57.8149, 0.2360, 0.3169



90.4157, 0.2854, 0.3258



57.9053, 0.3007, 0.5169



19.0613, 0.2812, 0.3253



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.



57.8149, 0.2360, 0.3169



72.5004, 0.2274, 0.3141



29.8291, 0.2140, 0.2197



16.1670, 0.2982, 0.3274



30.8221, 0.2191, 0.3086



2.3265, 0.2199, 0.3118

Inverse Universe

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



28.5335, 0.3287, 0.1958



31.9607, 0.3321, 0.1784



43.9225, 0.4414, 0.4132



14.5982, 0.3148, 0.3073



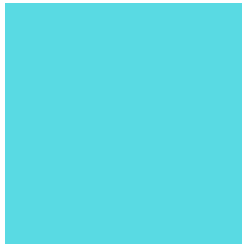
12.3092, 0.3379, 0.1635



0.9145, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 57.8127, 0.2360, 0.3169 looks on a white background.

Color Contrast Check

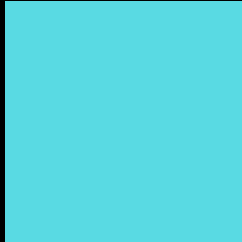
Large Text (above 18pt) WCAG AA × Fail

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 57.8127, 0.2360, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

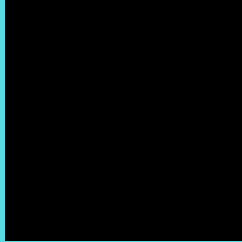
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8127, 0.2360, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 57.8127, 0.2360, 0.3169.

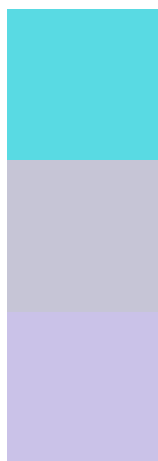


This preview shows how white text looks on a background with the Yxy color 57.8127, 0.2360, 0.3169.

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

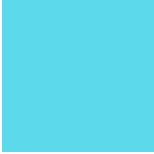
57.8127, 0.2360, 0.3169

Protanopia

56.7933, 0.3013, 0.3089

Deuteranopia

56.9663, 0.2919, 0.2856



Tritanopia

57.8415, 0.2337, 0.3067

Trichromacy



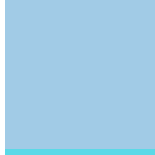
Original Color

57.8127, 0.2360, 0.3169



Protanomaly

56.0462, 0.2706, 0.3113



Deuteranomaly

56.0021, 0.2658, 0.2957



Tritanomaly

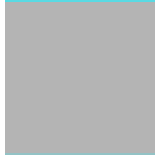
57.6194, 0.2347, 0.3105

Monochromacy



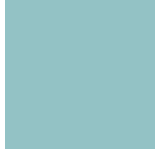
Original Color

57.8127, 0.2360, 0.3169



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.8178, 0.2755, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8127, 0.2360, 0.3169 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(89, 218, 227)` looks like.

```
.text, #text, p{  
    color:rgb(89, 218, 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(89, 218, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 218, 227) }
```

Border

The CSS property to change the border of an element to Yxy 57.8127, 0.2360, 0.3169 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(89, 218, 227) }
```

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

```
.border{ border-color:rgb(89, 218, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 218, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 218, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 218, 227);  
box-shadow:4px 4px 4px 4px rgb(89, 218,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8127, 0.2360, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 218, 227) }
```

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

```
.background{ background-color: rgb(89, 218,  
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](#).

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