

Converting Colors

$Yxy(59.5819, 0.2324, 0.3151)$

Have a look what the booklet for
Yxy(59.5819, 0.2324, 0.3151)
contains.

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Color

Yxy(59.8181, 0.2327, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	51DEE8
RGB	81, 222, 232
RGB Percent	32%, 87%, 91%
CMY	0.6816, 0.1295, 0.0902
CMYK	0.65, 0.04, 0.00, 0.09
HSL	184°, 77%, 61%
HSV	184°, 65%, 91%
XYZ	44.0915, 59.8181, 85.5681
YIQ	180.9810, -87.2460, -26.7820

Conversions

Conversions Part 2

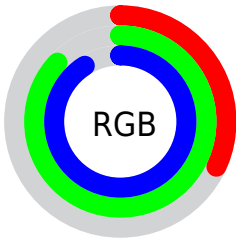
Format	Color
R _Y B	81, 154, 232
Decimal	5365480
CIE Lab	81.74, -34.23, -16.05
CIE LCh	82, 37.807, 205.117
Yxy	59.8181, 0.2327, 0.3157
Android (android.graphics.Color)	4283555560 (0xFF51DEE8)
YUV	180.9810, 25.1524, -87.6833
Hunter-Lab	77.3422, -33.5890, -11.4564

Details

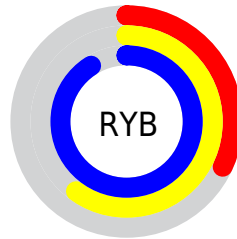
The Yxy color **59.8181, 0.2327, 0.3157** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.2693, 0.5174, 0.3393**, and the grayscale version is **46.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **30.4070, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **58.1473, 0.2265, 0.3134**, and if you desaturate by 10%, it is **61.8511, 0.2408, 0.3180**.

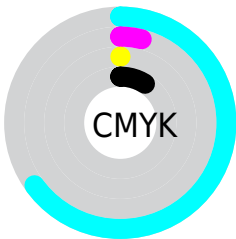
Distribution



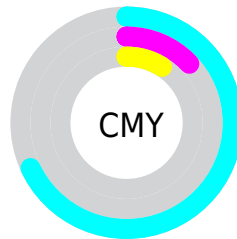
- Red (32%)
- Green (87%)
- Blue (91%)



- Red (32%)
- Yellow (60%)
- Blue (91%)



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)





- Cyan (68%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8181, 0.2327, 0.3157 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 59.8181, 0.2327, 0.3157 by changing the saturation by 10% instead.


 59.8181, 0.2327,
0.3157


 59.8181, 0.2327,
0.3157


423.9270, 0.2699,
0.3232

 43.2720, 0.2243,
0.3136


 104.5658, 0.2456,
0.3186


 30.0986, 0.2139,
0.3109


 133.5361, 0.2506,
0.3196

 19.9135, 0.2008,
0.3071


 167.4167, 0.2549,
0.3205

 12.3321, 0.1840,
0.3017

 206.5920, 0.2587,
0.3212

 6.9703, 0.1615,
0.2934

251.4462, 0.2620,
0.3218

 3.4435, 0.1308,
0.2795

302.3639, 0.2649,

 1.3674, 0.0752,

0.3224

0.2573

359.7293, 0.2675,
0.3228

0.1925, 0.0000,
0.1224

0.0000, 0.0000,
0.0000

59.8181, 0.2327,
0.3157

59.8181, 0.2327,
0.3157

58.1473, 0.2265,
0.3134

61.8511, 0.2408,
0.3180

56.7947, 0.2222,
0.3112


64.2716, 0.2508,
0.3202


55.7166, 0.2197,
0.3089

67.1104, 0.2625,
0.3224


55.2450, 0.2189,
0.3078


70.3933, 0.2756,
0.3244

 74.1439, 0.2899,
0.3264

 78.3842, 0.3049,
0.3282

 83.1348, 0.3206,
0.3298

 86.1109, 0.3283,
0.3313

 86.9936, 0.3281,
0.3328

Harmonies

Analogous

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



59.8181, 0.2614, 0.3643



59.8181, 0.2327, 0.3157



59.8181, 0.2242, 0.2763

Triad

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



59.8181, 0.2327, 0.3157



59.8181, 0.3145, 0.2674



59.8181, 0.3918, 0.4029

Complementary

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



59.8181, 0.2327, 0.3157



25.2693, 0.5174, 0.3393

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.



59.8181, 0.4097, 0.3709



59.8181, 0.2327, 0.3157



59.8181, 0.3634, 0.2957

Square

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



59.8181, 0.2327, 0.3157



59.8181, 0.2685, 0.2526



59.8181, 0.3994, 0.3325



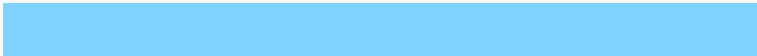
59.8181, 0.3529, 0.4172

Rectangle

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



59.8181, 0.2327, 0.3157



59.8181, 0.2303, 0.2599



59.8181, 0.3994, 0.3325



59.8181, 0.4006, 0.3936

Sweetspot

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



59.8203, 0.2327, 0.3157



89.4355, 0.2825, 0.3254



60.1896, 0.3002, 0.5305



18.8673, 0.2785, 0.3248



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.



59.8203, 0.2327, 0.3157



71.4441, 0.2248, 0.3127



29.0951, 0.2078, 0.2104



16.1638, 0.2982, 0.3274



30.7426, 0.2190, 0.3082



2.3214, 0.2199, 0.3114

Inverse Universe

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



28.3417, 0.3301, 0.1893



30.4964, 0.3337, 0.1735



44.3523, 0.4523, 0.4173



14.5978, 0.3148, 0.3074



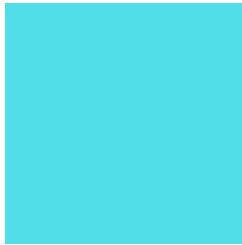
12.3012, 0.3383, 0.1637



0.9140, 0.3355, 0.1622

Previews

White Background



This preview shows how the Yxy color 59.8181, 0.2327, 0.3157 looks on a white background.

Color Contrast Check

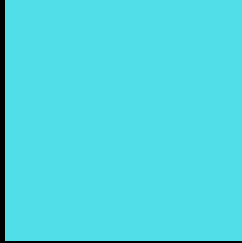
Large Text (above 18pt) WCAG AA × Fail

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 59.8181, 0.2327, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

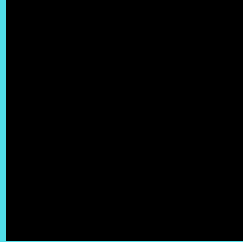
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8181, 0.2327, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 59.8181, 0.2327, 0.3157.



This preview shows how white text looks on a background with the Yxy color 59.8181, 0.2327, 0.3157.

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

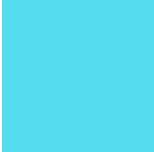
59.8181, 0.2327, 0.3157

Protanopia

58.6499, 0.3000, 0.3080

Deuteranopia

58.9429, 0.2894, 0.2829



Tritanopia

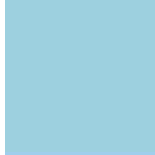
59.8762, 0.2306, 0.3057

Trichromacy



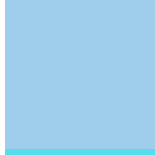
Original Color

59.8181, 0.2327, 0.3157



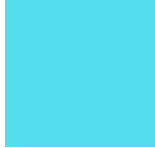
Protanomaly

57.6076, 0.2681, 0.3102



Deuteranomaly

57.5697, 0.2617, 0.2925



Tritanomaly

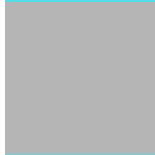
59.6538, 0.2316, 0.3094

Monochromacy



Original Color

59.8181, 0.2327, 0.3157



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.6697, 0.2725, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8181, 0.2327, 0.3157 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(81, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(81, 222, 232)  
}
```

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(81, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 59.8181, 0.2327, 0.3157 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(81, 222, 232) }
```

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

```
.border{ border-color:rgb(81, 222, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 222, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(81, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8181, 0.2327, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 222, 232) }
```

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

```
.background{ background-color: rgb(81, 222,  
232) }
```

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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