

Converting Colors

$Yxy(57.6194, 0.2347, 0.3105)$

Have a look what the booklet for
Yxy(57.6194, 0.2347, 0.3105)
contains.

Yxy(57.6194, 0.2347, 0.3105)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.6194, 0.2347, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	5BD9E7
RGB	91, 217, 231
RGB Percent	36%, 85%, 91%
CMY	0.6427, 0.1490, 0.0943
CMYK	0.61, 0.06, 0.00, 0.09
HSL	186°, 74%, 63%
HSV	186°, 61%, 91%
XYZ	43.5532, 57.6194, 84.3971
YIQ	180.9220, -79.5900, -22.3580

Conversions

Conversions Part 2

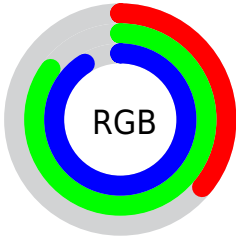
Format	Color
RYB	91, 157, 231
Decimal	6019559
CIELab	80.53, -30.59, -17.29
CIELCh	81, 35.137, 209.482
Yxy	57.6194, 0.2347, 0.3105
Android (android.graphics.Color)	4284209639 (0xFF5BD9E7)
YUV	180.9220, 24.6885, -78.8616
Hunter-Lab	75.9074, -30.4205, -12.7859

Details

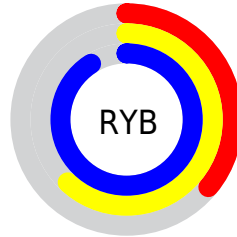
The Yxy color **57.6194, 0.2347, 0.3105** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.8552, 0.4929, 0.3441**, and the grayscale version is **46.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **28.9358, 0.2183, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **55.4411, 0.2272, 0.3070**, and if you desaturate by 10%, it is **60.1798, 0.2441, 0.3139**.

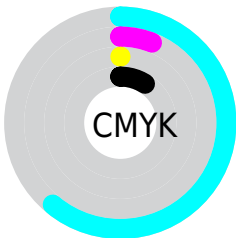
Distribution



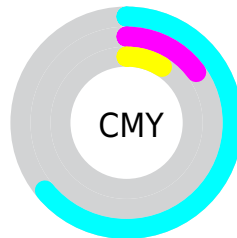
- Red (36%)
- Green (85%)
- Blue (91%)



- Red (36%)
- Yellow (62%)
- Blue (91%)



- Cyan (61%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)





- Cyan (64%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6194, 0.2347, 0.3105 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 57.6194, 0.2347, 0.3105 by changing the saturation by 10% instead.


 57.6194, 0.2347,
0.3105


 57.6194, 0.2347,
0.3105


415.7662, 0.2712,
0.3205

 41.5027, 0.2264,
0.3079


 101.3684, 0.2474,
0.3143

 28.7121, 0.2161,
0.3044

 129.7696, 0.2523,
0.3156

 18.8632, 0.2031,
0.2997


 163.0343, 0.2565,
0.3168

 11.5714, 0.1862,
0.2930

 201.5471, 0.2602,
0.3178

 6.4526, 0.1637,
0.2829

245.6923, 0.2635,
0.3186

 3.1222, 0.1325,
0.2665

295.8543, 0.2663,

 1.1959, 0.0727,

0.3193

0.2409

352.4175, 0.2689,
0.3199

0.0583, 0.0000,
0.0427

0.0000, 0.0000,
0.0000

57.6194, 0.2347,
0.3105

57.6194, 0.2347,
0.3105

55.4411, 0.2272,
0.3070

60.1798, 0.2441,
0.3139

53.6040, 0.2216,
0.3035

63.1459, 0.2552,
0.3173


52.0694, 0.2179,
0.3001


66.5468, 0.2679,
0.3205


50.8325, 0.2158,
0.2969


70.4071, 0.2817,
0.3235

 74.7493, 0.2965,
0.3263

 79.5948, 0.3118,
0.3289

 84.9632, 0.3275,
0.3312

 86.6982, 0.3288,
0.3335

 88.0303, 0.3286,
0.3357

Harmonies

Analogous

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



57.6194, 0.2594, 0.3556



57.6194, 0.2347, 0.3105



57.6194, 0.2295, 0.2754

Triad

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



57.6194, 0.2347, 0.3105



57.6194, 0.3214, 0.2739



57.6194, 0.3830, 0.4021

Complementary

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



57.6194, 0.2347, 0.3105



27.8552, 0.4929, 0.3441

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.



57.6194, 0.4031, 0.3739



57.6194, 0.2347, 0.3105



57.6194, 0.3665, 0.3024

Square

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



57.6194, 0.2347, 0.3105



57.6194, 0.2768, 0.2577



57.6194, 0.3973, 0.3379



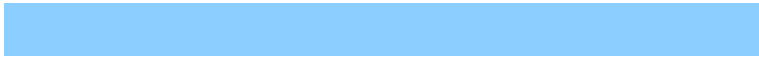
57.6194, 0.3445, 0.4117

Rectangle

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



57.6194, 0.2347, 0.3105



57.6194, 0.2372, 0.2615



57.6194, 0.3973, 0.3379



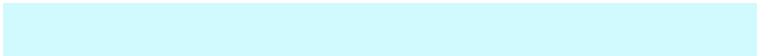
57.6194, 0.3923, 0.3942

Sweetspot

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



57.6216, 0.2347, 0.3105



89.4212, 0.2853, 0.3242



60.3333, 0.2988, 0.5104



18.8148, 0.2811, 0.3233



0.0000, 0.0000, 0.0000



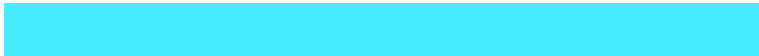
21.4041, 0.3127, 0.3290

Same Dimension

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



57.6216, 0.2347, 0.3105



68.7112, 0.2254, 0.3060



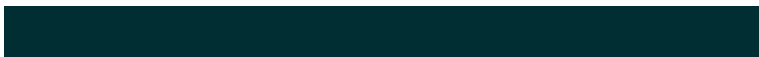
29.6104, 0.2128, 0.2132



16.0775, 0.2982, 0.3266



28.6129, 0.2160, 0.2974



2.1859, 0.2173, 0.3024

Inverse Universe

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



29.4913, 0.3338, 0.2000



31.5782, 0.3388, 0.1827



47.5060, 0.4373, 0.4178



14.5891, 0.3153, 0.3081



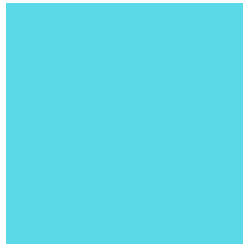
12.0862, 0.3477, 0.1689



0.9003, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 57.6194, 0.2347, 0.3105 looks on a white background.

Color Contrast Check

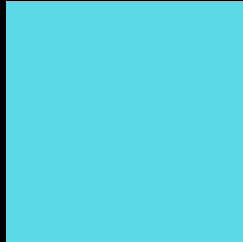
Large Text (above 18pt) WCAG AA × Fail

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 57.6194, 0.2347, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

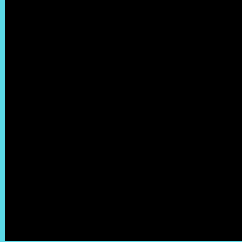
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6194, 0.2347, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 57.6194, 0.2347, 0.3105.



This preview shows how white text looks on a background with the Yxy color 57.6194, 0.2347, 0.3105.

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

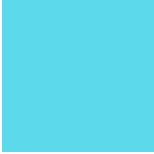
57.6194, 0.2347, 0.3105

Protanopia

56.7302, 0.2970, 0.3042

Deuteranopia

56.7818, 0.2870, 0.2811



Tritanopia

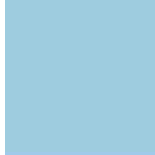
57.8415, 0.2337, 0.3067

Trichromacy



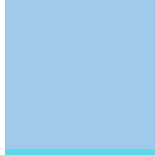
Original Color

57.6194, 0.2347, 0.3105



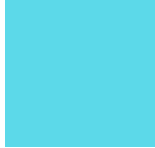
Protanomaly

55.7825, 0.2681, 0.3052



Deuteranomaly

55.6552, 0.2628, 0.2898



Tritanomaly

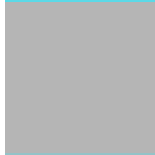
57.7842, 0.2341, 0.3079

Monochromacy



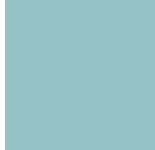
Original Color

57.6194, 0.2347, 0.3105



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.0030, 0.2749, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6194, 0.2347, 0.3105 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(91, 217, 231)` looks like.

```
.text, #text, p{  
    color:rgb(91, 217, 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(91, 217, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 217, 231) }
```

Border

The CSS property to change the border of an element to Yxy 57.6194, 0.2347, 0.3105 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(91, 217, 231) }
```

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

```
.border{ border-color:rgb(91, 217, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 217, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 217, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 217, 231);  
box-shadow:4px 4px 4px 4px rgb(91, 217,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6194, 0.2347, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 217, 231) }
```

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

```
.background{ background-color: rgb(91, 217,  
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