

Converting Colors

$Y_{xy}(58.5789, 0.2504, 0.3075)$

Have a look what the booklet for
Yxy(58.5789, 0.2504, 0.3075)
contains.

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Color

Yxy(58.6880, 0.2505, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	83D6E7
RGB	131, 214, 231
RGB Percent	51%, 84%, 91%
CMY	0.4864, 0.1607, 0.0941
CMYK	0.43, 0.07, 0.00, 0.09
HSL	190°, 68%, 71%
HSV	190°, 43%, 91%
XYZ	47.8248, 58.6880, 84.4046
YIQ	191.1210, -54.9250, -12.3090

Conversions

Conversions Part 2

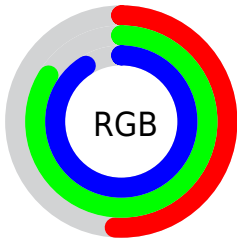
Format	Color
RYB	131, 176, 231
Decimal	8640231
CIELab	81.12, -20.93, -16.28
CIElCh	81, 26.516, 217.866
Yxy	58.6880, 0.2505, 0.3074
Android (android.graphics.Color)	4286830311 (0xFF83D6E7)
YUV	191.1210, 19.6603, -52.7261
Hunter-Lab	76.6081, -22.6304, -11.6983

Details

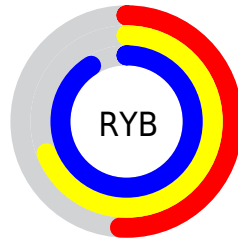
The Yxy color **58.6880, 0.2505, 0.3074** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7885, 0.4176, 0.3489**, and the grayscale version is **52.0778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **29.3079, 0.2354, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **55.0860, 0.2390, 0.3016**, and if you desaturate by 10%, it is **62.7534, 0.2634, 0.3130**.

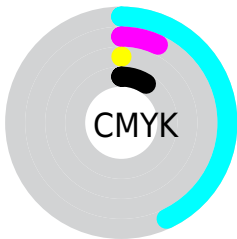
Distribution



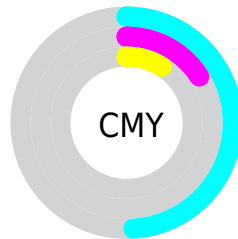
- Red (51%)
- Green (84%)
- Blue (91%)



- Red (51%)
- Yellow (69%)
- Blue (91%)



- Cyan (43%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (49%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6880, 0.2505, 0.3074 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 58.6880, 0.2505, 0.3074 by changing the saturation by 10% instead.


 58.6880, 0.2505,
0.3074

 58.6880, 0.2505,
0.3074


419.7447, 0.2797,
0.3184

 42.3620, 0.2438,
0.3046


 102.9241, 0.2607,
0.3114

 29.3849, 0.2354,
0.3011


 131.6029, 0.2646,
0.3129

 19.3722, 0.2248,
0.2963


 165.1682, 0.2680,
0.3142

 11.9395, 0.2110,
0.2898

204.0043, 0.2710,
0.3153

 6.7025, 0.1922,
0.2802

248.4956, 0.2736,
0.3162

 3.2767, 0.1654,
0.2651

299.0265, 0.2758,

 1.2779, 0.1233,

0.3171

0.2390

355.9814, 0.2779,
0.3178

0.1240, 0.0000,
0.0866

0.0000, 0.0000,
0.0000

58.6880, 0.2505,
0.3074

58.6880, 0.2505,
0.3074

55.0860, 0.2390,
0.3016

62.7534, 0.2634,
0.3130

51.9126, 0.2292,
0.2955

67.3009, 0.2775,
0.3183

49.1388, 0.2212,
0.2894

72.3560, 0.2923,
0.3231

46.7282, 0.2152,
0.2832

77.9407, 0.3076,
0.3276

■ 44.6372, 0.2111,
0.2771

■ 84.0754, 0.3231,
0.3317

■ 43.3702, 0.2092,
0.2731

■ 87.9128, 0.3286,
0.3355

■ 90.2157, 0.3282,
0.3393

■ 92.5687, 0.3278,
0.3431

■ 94.9720, 0.3274,
0.3469

Harmonies

Analogous

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



58.6880, 0.2658, 0.3397



58.6880, 0.2505, 0.3074



58.6880, 0.2507, 0.2836

Triad

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



58.6880, 0.2505, 0.3074



58.6880, 0.3294, 0.2921



58.6880, 0.3591, 0.3878

Complementary

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



58.6880, 0.2505, 0.3074



39.7885, 0.4176, 0.3489

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.



58.6880, 0.3783, 0.3708



58.6880, 0.2505, 0.3074



58.6880, 0.3610, 0.3164

Square

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



58.6880, 0.2505, 0.3074



58.6880, 0.2947, 0.2765



58.6880, 0.3792, 0.3447



58.6880, 0.3279, 0.3886

Rectangle

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



58.6880, 0.2505, 0.3074



58.6880, 0.2596, 0.2751



58.6880, 0.3792, 0.3447



58.6880, 0.3672, 0.3836

Sweetspot

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



58.6903, 0.2505, 0.3074



90.7072, 0.2926, 0.3232



64.0982, 0.2976, 0.4411



19.1018, 0.2893, 0.3222



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.



58.6903, 0.2505, 0.3074



69.3742, 0.2401, 0.3022



37.2519, 0.2391, 0.2400



15.8980, 0.2981, 0.3249



24.4749, 0.2095, 0.2741



1.9192, 0.2119, 0.2829

Inverse Universe

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



38.0658, 0.3337, 0.2387



41.1314, 0.3393, 0.2219



58.8546, 0.3920, 0.4036



14.5710, 0.3164, 0.3097



11.6685, 0.3690, 0.1806



0.8734, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 58.6880, 0.2505, 0.3074 looks on a white background.

Color Contrast Check

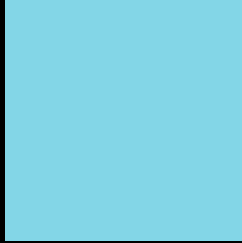
Large Text (above 18pt) WCAG AA × Fail

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 58.6880, 0.2505, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

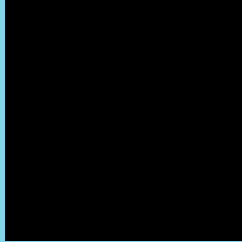
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6880, 0.2505, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 58.6880, 0.2505, 0.3074.



This preview shows how white text looks on a background with the Yxy color 58.6880, 0.2505, 0.3074.

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

58.6880, 0.2505, 0.3074

Protanopia

58.0731, 0.2965, 0.3033

Deuteranopia

58.1745, 0.2907, 0.2848



Tritanopia

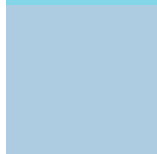
58.6880, 0.2505, 0.3074

Trichromacy



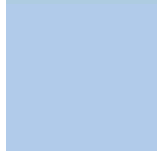
Original Color

58.6880, 0.2505, 0.3074



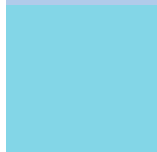
Protanomaly

57.6206, 0.2773, 0.3035



Deuteranomaly

57.9995, 0.2737, 0.2922



Tritanomaly

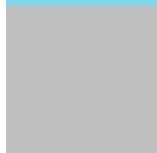
58.6880, 0.2505, 0.3074

Monochromacy



Original Color

58.6880, 0.2505, 0.3074



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

53.7381, 0.2854, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6880, 0.2505, 0.3074 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(131, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(131, 214, 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(131, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 214, 231) }
```

Border

The CSS property to change the border of an element to Yxy 58.6880, 0.2505, 0.3074 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(131, 214, 231) }
```

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

```
.border{ border-color:rgb(131, 214, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 214, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(131, 214,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6880, 0.2505, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 214, 231) }
```

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

```
.background{ background-color: rgb(131,  
214, 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](#).

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