

Converting Colors

$Y_{xy}(57.9950, 0.2516, 0.3115)$

Have a look what the booklet for
Yxy(57.9950, 0.2516, 0.3115)
contains.

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Color

Yxy(57.8017, 0.2513, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	81D5E3
RGB	129, 213, 227
RGB Percent	51%, 84%, 89%
CMY	0.4942, 0.1647, 0.1099
CMYK	0.43, 0.06, 0.00, 0.11
HSL	189°, 64%, 70%
HSV	189°, 43%, 89%
XYZ	46.7060, 57.8017, 81.3499
YIQ	189.4800, -54.5580, -13.4540

Conversions

Conversions Part 2

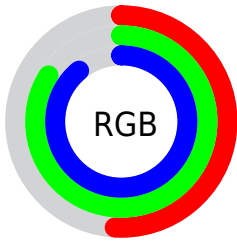
Format	Color
RYB	129, 174, 227
Decimal	8508899
CIELab	80.63, -21.94, -14.88
CIElCh	81, 26.510, 214.144
Yxy	57.8017, 0.2513, 0.3110
Android (android.graphics.Color)	4286698979 (0xFF81D5E3)
YUV	189.4800, 18.4974, -53.0410
Hunter-Lab	76.0274, -23.3899, -10.2215

Details

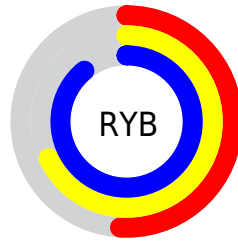
The Yxy color **57.8017, 0.2513, 0.3110** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.5364, 0.4185, 0.3457**, and the grayscale version is **51.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **28.7719, 0.2358, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **54.6091, 0.2401, 0.3061**, and if you desaturate by 10%, it is **61.4259, 0.2640, 0.3157**.

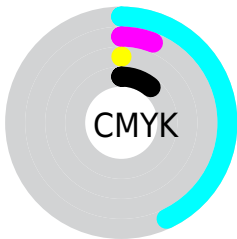
Distribution



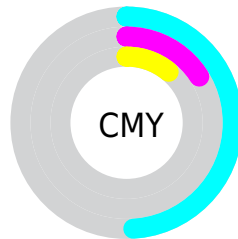
- Red (51%)
- Green (84%)
- Blue (89%)



- Red (51%)
- Yellow (68%)
- Blue (89%)



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)





- Cyan (49%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8017, 0.2513, 0.3110 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 57.8017, 0.2513, 0.3110 by changing the saturation by 10% instead.

 57.8017, 0.2513,
0.3110


 57.8017, 0.2513,
0.3110


416.4466, 0.2802,
0.3203


 41.6492, 0.2446,
0.3086

 101.6340, 0.2614,
0.3144

 28.8267, 0.2363,
0.3055


 130.0827, 0.2653,
0.3157

 18.9498, 0.2257,
0.3014


 163.3989, 0.2687,
0.3168

 11.6340, 0.2118,
0.2956

201.9670, 0.2716,
0.3177

 6.4950, 0.1929,
0.2870

246.1715, 0.2742,
0.3185

 3.1483, 0.1657,
0.2732

296.3966, 0.2764,

 1.2097, 0.1202,

0.3192

0.2494

353.0269, 0.2784,
0.3198

0.0696, 0.0000,
0.0583

0.0000, 0.0000,
0.0000

57.8017, 0.2513,
0.3110

57.8017, 0.2513,
0.3110

54.6091, 0.2401,
0.3061

61.4259, 0.2640,
0.3157

51.8148, 0.2306,
0.3011


65.4992, 0.2778,
0.3200


49.3912, 0.2230,
0.2961


70.0462, 0.2925,
0.3241

47.3038, 0.2174,
0.2910

75.0875, 0.3078,
0.3279


 45.5110, 0.2136,
0.2860

 80.6426, 0.3233,
0.3313

 44.4118, 0.2118,
0.2826

 84.7525, 0.3318,
0.3344

 86.5943, 0.3314,
0.3376

 88.4699, 0.3310,
0.3408

 90.3794, 0.3306,
0.3439

Harmonies

Analogous

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



57.8017, 0.2685, 0.3439



57.8017, 0.2513, 0.3110



57.8017, 0.2496, 0.2857

Triad

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



57.8017, 0.2513, 0.3110



57.8017, 0.3251, 0.2894



57.8017, 0.3625, 0.3867

Complementary

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



57.8017, 0.2513, 0.3110



37.5364, 0.4185, 0.3457

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.



57.8017, 0.3798, 0.3681



57.8017, 0.2513, 0.3110



57.8017, 0.3578, 0.3130

Square

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



57.8017, 0.2513, 0.3110



57.8017, 0.2906, 0.2752



57.8017, 0.3783, 0.3412



57.8017, 0.3322, 0.3899

Rectangle

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



57.8017, 0.2513, 0.3110



57.8017, 0.2572, 0.2759



57.8017, 0.3783, 0.3412



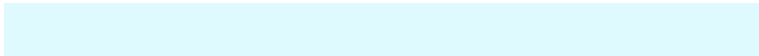
57.8017, 0.3701, 0.3819

Sweetspot

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



57.8039, 0.2513, 0.3110



91.2692, 0.2927, 0.3242



61.5440, 0.2994, 0.4452



19.2419, 0.2893, 0.3233



0.0000, 0.0000, 0.0000



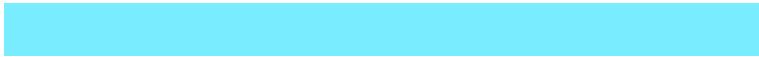
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8039, 0.2513, 0.3110



71.4392, 0.2410, 0.3066



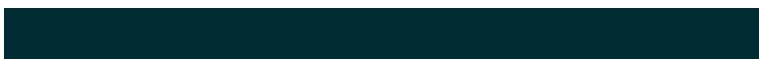
37.0858, 0.2402, 0.2451



15.9678, 0.2981, 0.3256



26.0387, 0.2120, 0.2833



2.0206, 0.2141, 0.2906

Inverse Universe

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



36.8244, 0.3309, 0.2365



41.3398, 0.3358, 0.2189



55.1905, 0.3932, 0.3999



14.5781, 0.3160, 0.3091



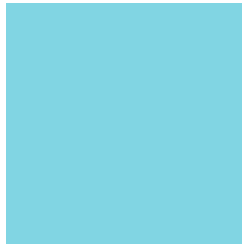
11.8263, 0.3604, 0.1759



0.8837, 0.3538, 0.1722

Previews

White Background



This preview shows how the Yxy color 57.8017, 0.2513, 0.3110 looks on a white background.

Color Contrast Check

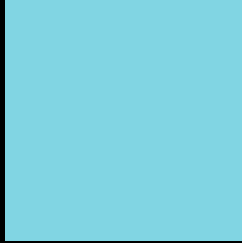
Large Text (above 18pt) WCAG AA × Fail

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 57.8017, 0.2513, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

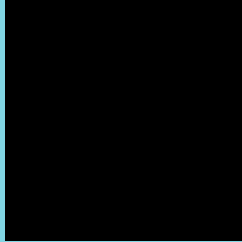
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8017, 0.2513, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 57.8017, 0.2513, 0.3110.



This preview shows how white text looks on a background with the Yxy color 57.8017, 0.2513, 0.3110.

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

57.8017, 0.2513, 0.3110

Protanopia

57.2682, 0.2985, 0.3066

Deuteranopia

57.0496, 0.2933, 0.2868



Tritanopia

58.0475, 0.2503, 0.3073

Trichromacy



Original Color

57.8017, 0.2513, 0.3110

Protanomaly

56.7030, 0.2783, 0.3069

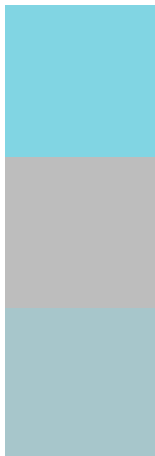
Deuteranomaly

56.7166, 0.2753, 0.2942

Tritanomaly

57.9915, 0.2508, 0.3085

Monochromacy



Original Color

57.8017, 0.2513, 0.3110

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.9155, 0.2859, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8017, 0.2513, 0.3110 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, 213, 227)` looks like.

```
.text, #text, p{  
    color:rgb(129, 213, 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(129, 213, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 213, 227) }
```

Border

The CSS property to change the border of an element to Yxy 57.8017, 0.2513, 0.3110 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, 213, 227) }
```

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

```
.border{ border-color:rgb(129, 213, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 213, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 213, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 213, 227);  
box-shadow:4px 4px 4px 4px rgb(129, 213,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8017, 0.2513, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 213, 227) }
```

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

```
.background{ background-color: rgb(129,  
213, 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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