

Converting Colors

$Y_{xy}(59.0383, 0.2510, 0.3160)$

Have a look what the booklet for
Yxy(59.0383, 0.2510, 0.3160)
contains.

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Color

Yxy(59.0383, 0.2510, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	7ED8E2
RGB	126, 216, 226
RGB Percent	49%, 85%, 89%
CMY	0.5057, 0.1530, 0.1136
CMYK	0.44, 0.04, 0.00, 0.11
HSL	186°, 63%, 69%
HSV	186°, 44%, 89%
XYZ	46.8943, 59.0383, 80.8974
YIQ	190.2300, -56.8500, -15.9700

Conversions

Conversions Part 2

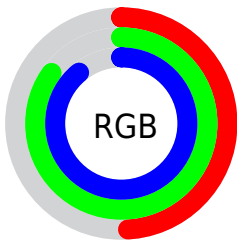
Format	Color
RYB	126, 173, 226
Decimal	8313058
CIELab	81.31, -24.36, -13.36
CIELCh	81, 27.784, 208.747
Yxy	59.0383, 0.2510, 0.3160
Android (android.graphics.Color)	4286503138 (0xFF7ED8E2)
YUV	190.2300, 17.6346, -56.3297
Hunter-Lab	76.8364, -25.5226, -8.6382

Details

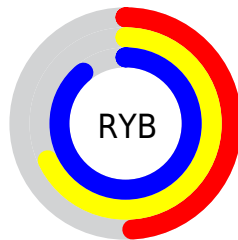
The Yxy color **59.0383, 0.2510, 0.3160** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3100, 0.4246, 0.3411**, and the grayscale version is **51.5595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **29.6233, 0.2357, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **56.3570, 0.2405, 0.3126**, and if you desaturate by 10%, it is **62.1284, 0.2631, 0.3193**.

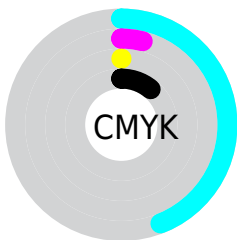
Distribution



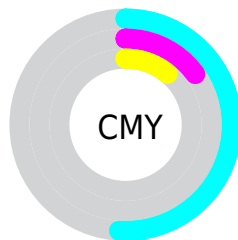
- Red (49%)
- Green (85%)
- Blue (89%)



- Red (49%)
- Yellow (68%)
- Blue (89%)



- Cyan (44%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)




- Cyan (51%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0383, 0.2510, 0.3160 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 59.0383, 0.2510, 0.3160 by changing the saturation by 10% instead.


 59.0383, 0.2510,
0.3160


 59.0383, 0.2510,
0.3160


421.0438, 0.2800,
0.3229


 42.6440, 0.2443,
0.3142

 103.4333, 0.2611,
0.3186

 29.6059, 0.2360,
0.3118


 132.2028, 0.2650,
0.3195

 19.5396, 0.2255,
0.3086


 165.8661, 0.2684,
0.3203

 12.0608, 0.2116,
0.3040

204.8076, 0.2713,
0.3210

 6.7851, 0.1928,
0.2972

249.4118, 0.2739,
0.3216

 3.3281, 0.1660,
0.2858

300.0629, 0.2762,

 1.3053, 0.1214,

0.3221

0.2660

357.1455, 0.2782,
0.3225

■ 0.1453, 0.0000,
0.1169

■ 0.0000, 0.0000,
0.0000

■ 59.0383, 0.2510,
0.3160

■ 59.0383, 0.2510,
0.3160

■ 56.3570, 0.2405,
0.3126

■ 62.1284, 0.2631,
0.3193

■ 54.0511, 0.2317,
0.3091


■ 65.6445, 0.2765,
0.3224

■ 52.0931, 0.2249,
0.3056

■ 69.6111, 0.2910,
0.3253

■ 50.4484, 0.2200,
0.3022

■ 74.0486, 0.3061,
0.3279

 49.0749, 0.2170,
0.2987


 78.9763, 0.3217,
0.3304

 48.3680, 0.2158,
0.2967

 83.1281, 0.3327,
0.3326

 84.3962, 0.3325,
0.3349

 85.6808, 0.3322,
0.3371

 86.9820, 0.3319,
0.3393

Harmonies

Analogous

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



59.0383, 0.2714, 0.3508



59.0383, 0.2510, 0.3160



59.0383, 0.2462, 0.2877

Triad

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



59.0383, 0.2510, 0.3160



59.0383, 0.3189, 0.2845



59.0383, 0.3690, 0.3865

Complementary

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



59.0383, 0.2510, 0.3160



35.3100, 0.4246, 0.3411

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.



59.0383, 0.3838, 0.3649



59.0383, 0.2510, 0.3160



59.0383, 0.3542, 0.3074

Square

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



59.0383, 0.2510, 0.3160



59.0383, 0.2838, 0.2718



59.0383, 0.3785, 0.3362



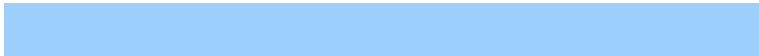
59.0383, 0.3392, 0.3933

Rectangle

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



59.0383, 0.2510, 0.3160



59.0383, 0.2522, 0.2759



59.0383, 0.3785, 0.3362



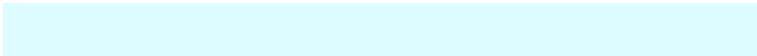
59.0383, 0.3759, 0.3806

Sweetspot

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



59.0406, 0.2510, 0.3160



92.1414, 0.2927, 0.3256



60.6271, 0.3010, 0.4532



19.4594, 0.2894, 0.3250



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.



59.0406, 0.2510, 0.3160



74.3709, 0.2413, 0.3129



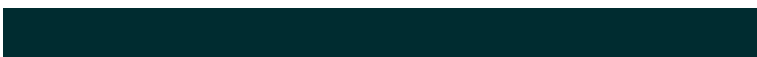
37.2161, 0.2392, 0.2473



15.3249, 0.2982, 0.3266



27.6854, 0.2159, 0.2973



1.9879, 0.2174, 0.3026

Inverse Universe

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



36.0626, 0.3273, 0.2304



41.0338, 0.3309, 0.2126



52.8132, 0.3972, 0.3980



13.9107, 0.3153, 0.3082



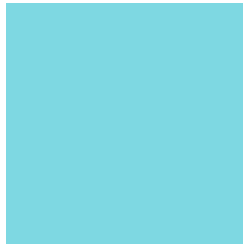
11.7029, 0.3478, 0.1690



0.8181, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 59.0383, 0.2510, 0.3160 looks on a white background.

Color Contrast Check

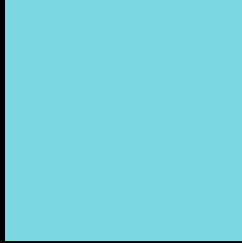
Large Text (above 18pt) WCAG AA × Fail

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 59.0383, 0.2510, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

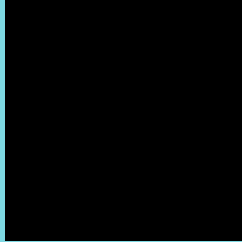
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0383, 0.2510, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 59.0383, 0.2510, 0.3160.



This preview shows how white text looks on a background with the Yxy color 59.0383, 0.2510, 0.3160.

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

59.0383, 0.2510, 0.3160

Protanopia

58.5458, 0.3014, 0.3103

Deuteranopia

58.4584, 0.2970, 0.2905



Tritanopia

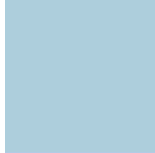
59.0163, 0.2488, 0.3074

Trichromacy



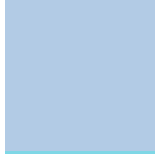
Original Color

59.0383, 0.2510, 0.3160



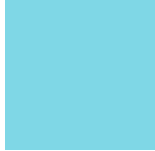
Protanomaly

58.1942, 0.2799, 0.3119



Deuteranomaly

57.8340, 0.2774, 0.2979



Tritanomaly

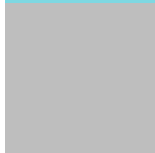
58.8261, 0.2493, 0.3098

Monochromacy



Original Color

59.0383, 0.2510, 0.3160



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.3741, 0.2860, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0383, 0.2510, 0.3160 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(126, 216, 226)` looks like.

```
.text, #text, p{  
    color:rgb(126, 216, 226)  
}
```

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(126, 216, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 216, 226) }
```

Border

The CSS property to change the border of an element to Yxy 59.0383, 0.2510, 0.3160 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(126, 216, 226) }
```

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

```
.border{ border-color:rgb(126, 216, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 216, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 216, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 216, 226);  
box-shadow:4px 4px 4px 4px rgb(126, 216,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0383, 0.2510, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 216, 226) }
```

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

```
.background{ background-color: rgb(126,  
216, 226) }
```

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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