

Converting Colors

$Y_{xy}(59.7371, 0.2612, 0.3082)$

Have a look what the booklet for
Yxy(59.7371, 0.2612, 0.3082)
contains.

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Color

Yxy(59.7857, 0.2609, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	96D5E6
RGB	150, 213, 230
RGB Percent	59%, 84%, 90%
CMY	0.4116, 0.1647, 0.0981
CMYK	0.35, 0.07, 0.00, 0.10
HSL	193°, 62%, 75%
HSV	193°, 35%, 90%
XYZ	50.6596, 59.7857, 83.7272
YIQ	196.1010, -43.0050, -8.0690

Conversions

Conversions Part 2

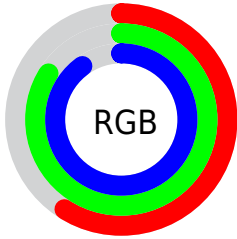
Format	Color
RYB	150, 185, 230
Decimal	9885158
CIELab	81.72, -15.82, -14.75
CIELCh	82, 21.626, 222.988
Yxy	59.7857, 0.2609, 0.3079
Android (android.graphics.Color)	4288075238 (0xFF96D5E6)
YUV	196.1010, 16.7122, -40.4306
Hunter-Lab	77.3212, -18.3618, -10.0772

Details

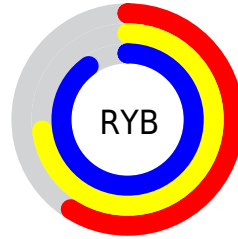
The Yxy color **59.7857, 0.2609, 0.3079** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6780, 0.3884, 0.3489**, and the grayscale version is **55.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **29.9426, 0.2482, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **55.3925, 0.2477, 0.3008**, and if you desaturate by 10%, it is **64.6861, 0.2751, 0.3146**.

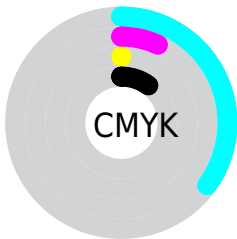
Distribution



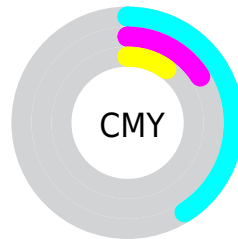
- Red (59%)
- Green (84%)
- Blue (90%)



- Red (59%)
- Yellow (73%)
- Blue (90%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)




- Cyan (41%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7857, 0.2609, 0.3079 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 59.7857, 0.2609, 0.3079 by changing the saturation by 10% instead.


 59.7857, 0.2609,
0.3079


 59.7857, 0.2609,
0.3079


423.8074, 0.2853,
0.3184

 43.2459, 0.2553,
0.3053


 104.5187, 0.2694,
0.3117

 30.0781, 0.2483,
0.3020


 133.4808, 0.2727,
0.3131

 19.8979, 0.2393,
0.2976


167.3524, 0.2755,
0.3144

 12.3208, 0.2276,
0.2917

206.5179, 0.2780,
0.3154

 6.9626, 0.2116,
0.2830

251.3618, 0.2801,
0.3163

 3.4387, 0.1885,
0.2696

302.2684, 0.2820,

 1.3648, 0.1529,

0.3171

0.2463

359.6222, 0.2837,
0.3178

■ 0.1906, 0.0000,
0.1309

■ 0.0000, 0.0000,
0.0000

■ 59.7857, 0.2609,
0.3079

■ 59.7857, 0.2609,
0.3079

■ 55.3925, 0.2477,
0.3008

■ 64.6861, 0.2751,
0.3146

■ 51.4735, 0.2359,
0.2933

■ 70.1102, 0.2900,
0.3208

■ 48.0026, 0.2258,
0.2856

■ 76.0826, 0.3054,
0.3265

■ 44.9480, 0.2175,
0.2778

■ 82.6238, 0.3208,
0.3316

■ 42.2725, 0.2112,
0.2699

■ 87.7991, 0.3292,
0.3364

■ 39.9310, 0.2068,
0.2621

■ 90.6764, 0.3287,
0.3411

■ 38.8005, 0.2050,
0.2581

■ 93.6315, 0.3282,
0.3458

■ 96.6650, 0.3277,
0.3505

■ 98.4928, 0.3274,
0.3532

Harmonies

Analogous

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



59.7857, 0.2716, 0.3333



59.7857, 0.2609, 0.3079



59.7857, 0.2633, 0.2899

Triad

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



59.7857, 0.2609, 0.3079



59.7857, 0.3312, 0.3018



59.7857, 0.3468, 0.3778

Complementary

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



59.7857, 0.2609, 0.3079



46.6780, 0.3884, 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.



59.7857, 0.3642, 0.3664



59.7857, 0.2609, 0.3079



59.7857, 0.3552, 0.3228

Square

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



59.7857, 0.2609, 0.3079



59.7857, 0.3029, 0.2874



59.7857, 0.3675, 0.3462



59.7857, 0.3206, 0.3754

Rectangle

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



59.7857, 0.2609, 0.3079



59.7857, 0.2721, 0.2840



59.7857, 0.3675, 0.3462



59.7857, 0.3539, 0.3753

Sweetspot

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



59.7881, 0.2609, 0.3079



92.0701, 0.2972, 0.3235



65.8329, 0.2988, 0.4118



19.4806, 0.2950, 0.3227



0.0000, 0.0000, 0.0000



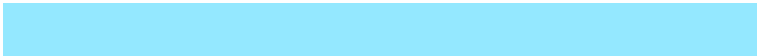
21.4041, 0.3127, 0.3290

Same Dimension

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



59.7881, 0.2609, 0.3079



71.3499, 0.2509, 0.3026



42.4845, 0.2541, 0.2570



15.7889, 0.2981, 0.3239



22.1523, 0.2054, 0.2593



1.7672, 0.2085, 0.2706

Inverse Universe

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



43.4528, 0.3318, 0.2596



48.2478, 0.3371, 0.2449



63.1724, 0.3733, 0.3917



14.5600, 0.3170, 0.3107



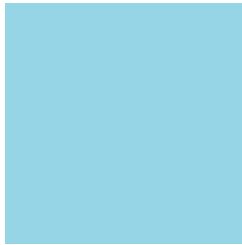
11.4340, 0.3831, 0.1884



0.8581, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 59.7857, 0.2609, 0.3079 looks on a white background.

Color Contrast Check

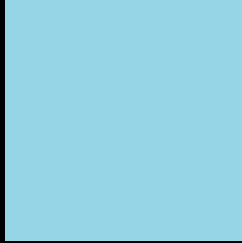
Large Text (above 18pt) WCAG AA × Fail

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 59.7857, 0.2609, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

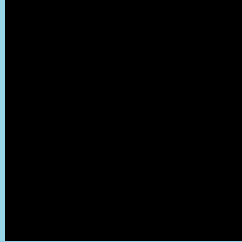
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7857, 0.2609, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 59.7857, 0.2609, 0.3079.



This preview shows how white text looks on a background with the Yxy color 59.7857, 0.2609, 0.3079.

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

59.7857, 0.2609, 0.3079

Protanopia

59.3266, 0.2973, 0.3047

Deuteranopia

59.0811, 0.2950, 0.2885



Tritanopia

59.7857, 0.2609, 0.3079

Trichromacy



Original Color

59.7857, 0.2609, 0.3079

Protanomaly

59.0440, 0.2827, 0.3051

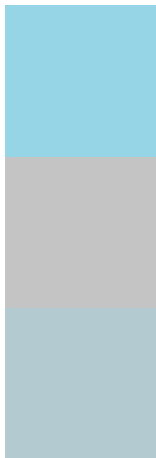
Deuteranomaly

58.9772, 0.2810, 0.2950

Tritanomaly

59.7857, 0.2609, 0.3079

Monochromacy



Original Color

59.7857, 0.2609, 0.3079

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.3788, 0.2914, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7857, 0.2609, 0.3079 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(150, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(150, 213, 230)  
}
```

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(150, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 213, 230) }
```

Border

The CSS property to change the border of an element to Yxy 59.7857, 0.2609, 0.3079 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(150, 213, 230) }
```

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

```
.border{ border-color:rgb(150, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(150, 213,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7857, 0.2609, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 213, 230) }
```

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

```
.background{ background-color: rgb(150,  
213, 230) }
```

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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