

Converting Colors

$Y_{xy}(39.9755, 0.2513, 0.2859)$

Have a look what the booklet for
Yxy(39.9755, 0.2513, 0.2859)
contains.

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Color

Yxy(39.8407, 0.2511, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	7CB0CF
RGB	124, 176, 207
RGB Percent	49%, 69%, 81%
CMY	0.5135, 0.3098, 0.1884
CMYK	0.40, 0.15, 0.00, 0.19
HSL	202°, 46%, 65%
HSV	202°, 40%, 81%
XYZ	35.1018, 39.8407, 64.8495
YIQ	163.9860, -40.9430, -1.3830

Conversions

Conversions Part 2

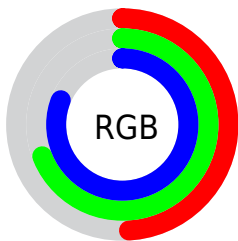
Format	Color
RYB	124, 156, 207
Decimal	8171727
CIELab	69.36, -9.18, -21.11
CIElCh	69, 23.018, 246.485
Yxy	39.8407, 0.2511, 0.2850
Android (android.graphics.Color)	4286361807 (0xFF7CB0CF)
YUV	163.9860, 21.2059, -35.0677
Hunter-Lab	63.1195, -11.1924, -16.7314

Details

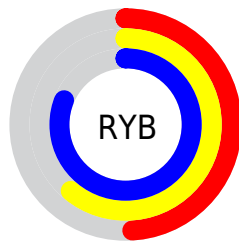
The Yxy color **39.8407, 0.2511, 0.2850** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.1666, 0.3968, 0.3686**, and the grayscale version is **37.0341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5169, 0.2667, 0.3035**, and **18.0173, 0.2335, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **35.5123, 0.2368, 0.2717**, and if you desaturate by 10%, it is **44.6685, 0.2662, 0.2975**.

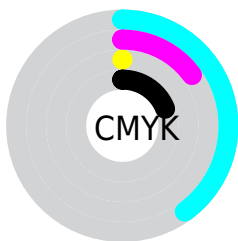
Distribution



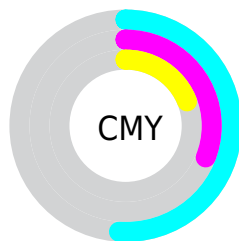
- Red (49%)
- Green (69%)
- Blue (81%)



- Red (49%)
- Yellow (61%)
- Blue (81%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (19%)



- Cyan (51%)
- Magenta (31%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8407, 0.2511, 0.2850 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 39.8407, 0.2511, 0.2850 by changing the saturation by 10% instead.

■ 39.8407, 0.2511,
0.2850

■ 39.8407, 0.2511,
0.2850

■ 345.4517, 0.2820,
0.3077

■ 27.4144, 0.2434,
0.2791

■ 74.9209, 0.2623,
0.2934

■ 17.8847, 0.2336,
0.2715

■ 98.3435, 0.2665,
0.2965

■ 10.8672, 0.2207,
0.2613

■ 126.2004, 0.2701,
0.2991

■ 5.9776, 0.2030,
0.2468

■ 158.8758, 0.2731,
0.3014

■ 2.8315, 0.1774,
0.2250

■ 196.7543, 0.2758,
0.3033

■ 1.0444, 0.1379,
0.1895

■ 240.2202, 0.2781,

■ 0.0000, 0.0000,

0.3050

0.0000

289.6578, 0.2802,
0.3064

■ 39.8407, 0.2511,
0.2850

■ 39.8407, 0.2511,
0.2850

■ 35.5123, 0.2368,
0.2717

■ 44.6685, 0.2662,
0.2975

■ 31.6554, 0.2236,
0.2578

■ 50.0124, 0.2817,
0.3090

■ 28.2458, 0.2121,
0.2435

■ 55.8939, 0.2973,
0.3195

■ 25.2547, 0.2024,
0.2290

■ 62.3318, 0.3126,
0.3289

■ 22.6484, 0.1948,
0.2147

■ 69.3437, 0.3276,
0.3374

■ 20.3797, 0.1891,
0.2008

■ 76.9463, 0.3419,
0.3450

■ 82.4178, 0.3456,
0.3524

■ 86.8190, 0.3442,
0.3599

■ 91.4134, 0.3428,
0.3673

Harmonies

Analogous

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



39.8407, 0.2516, 0.3090



39.8407, 0.2511, 0.2850



39.8407, 0.2659, 0.2740

Triad

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



39.8407, 0.2511, 0.2850



39.8407, 0.3592, 0.3153



39.8407, 0.3293, 0.3882

Complementary

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



39.8407, 0.2511, 0.2850



38.1666, 0.3968, 0.3686

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.



39.8407, 0.3597, 0.3866



39.8407, 0.2511, 0.2850



39.8407, 0.3780, 0.3432

Square

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



39.8407, 0.2511, 0.2850



39.8407, 0.3277, 0.2916



39.8407, 0.3780, 0.3693



39.8407, 0.2956, 0.3713

Rectangle

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



39.8407, 0.2511, 0.2850



39.8407, 0.2832, 0.2743



39.8407, 0.3780, 0.3693



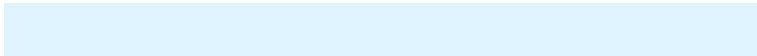
39.8407, 0.3403, 0.3898

Sweetspot

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



39.8422, 0.2511, 0.2850



87.5748, 0.2940, 0.3174



51.2467, 0.2885, 0.4052



18.4722, 0.2920, 0.3160



0.0000, 0.0000, 0.0000



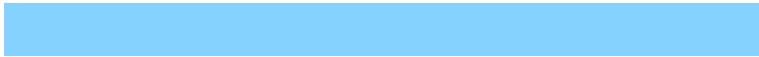
21.4041, 0.3127, 0.3290

Same Dimension

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



39.8422, 0.2511, 0.2850



57.9144, 0.2388, 0.2737



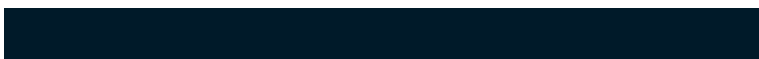
26.1501, 0.2416, 0.2236



12.6340, 0.2983, 0.3201



13.0314, 0.1896, 0.2027



0.8782, 0.1968, 0.2285

Inverse Universe

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



30.8233, 0.3501, 0.2646



42.5433, 0.3613, 0.2515



54.1571, 0.3770, 0.4160



11.9310, 0.3194, 0.3145



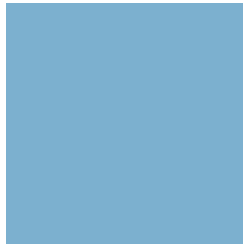
9.3868, 0.4422, 0.2210



0.5399, 0.4142, 0.2056

Previews

White Background



This preview shows how the Yxy color 39.8407, 0.2511, 0.2850 looks on a white background.

Color Contrast Check

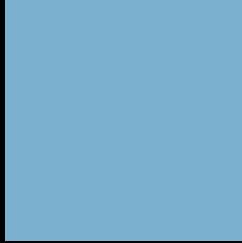
Large Text (above 18pt) WCAG AA × Fail

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 39.8407, 0.2511, 0.2850 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 39.8407, 0.2511, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 39.8407, 0.2511, 0.2850.



This preview shows how white text looks on a background with the Yxy color 39.8407, 0.2511, 0.2850.

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

39.8407, 0.2511, 0.2850

Protanopia

39.5359, 0.2812, 0.2832

Deuteranopia

39.4062, 0.2768, 0.2709



Tritanopia

39.6841, 0.2574, 0.3068

Trichromacy



Original Color

39.8407, 0.2511, 0.2850

Protanomaly

39.3571, 0.2691, 0.2834

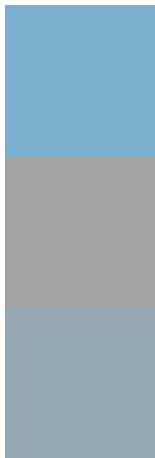
Deuteranomaly

39.3196, 0.2663, 0.2758

Tritanomaly

39.5864, 0.2548, 0.2984

Monochromacy



Original Color

39.8407, 0.2511, 0.2850

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6901, 0.2863, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8407, 0.2511, 0.2850 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(124, 176, 207)` looks like.

```
.text, #text, p{  
    color:rgb(124, 176, 207)  
}
```

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(124, 176, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 176, 207) }
```

Border

The CSS property to change the border of an element to Yxy 39.8407, 0.2511, 0.2850 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(124, 176, 207) }
```

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

```
.border{ border-color:rgb(124, 176, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 176, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 176, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 176, 207);  
box-shadow:4px 4px 4px 4px rgb(124, 176,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8407, 0.2511, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 176, 207) }
```

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

```
.background{ background-color: rgb(124,  
176, 207) }
```

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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