

Converting Colors

$Y_{xy}(39.5858, 0.2487, 0.2900)$

Have a look what the booklet for
Yxy(39.5858, 0.2487, 0.2900)
contains.

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Color

Yxy(39.5858, 0.2487, 0.2900)

Conversions

Conversions Part 1

Format	Color
Hex	75B1CC
RGB	117, 177, 204
RGB Percent	46%, 69%, 80%
CMY	0.5415, 0.3058, 0.2001
CMYK	0.43, 0.13, 0.00, 0.20
HSL	199°, 46%, 63%
HSV	199°, 43%, 80%
XYZ	33.9482, 39.5858, 62.9687
YIQ	162.1380, -44.4270, -4.3230

Conversions

Conversions Part 2

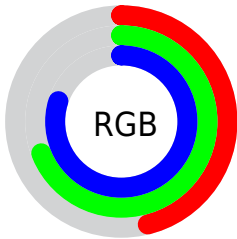
Format	Color
RYB	117, 153, 204
Decimal	7713228
CIELab	69.17, -12.37, -19.78
CIELCh	69, 23.329, 237.974
Yxy	39.5858, 0.2487, 0.2900
Android (android.graphics.Color)	4285903308 (0xFF75B1CC)
YUV	162.1380, 20.6380, -39.5860
Hunter-Lab	62.9172, -13.7920, -15.2964

Details

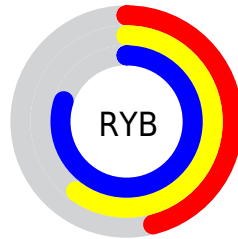
The Yxy color **39.5858, 0.2487, 0.2900** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **34.0327, 0.4072, 0.3641**, and the grayscale version is **36.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3821, 0.2636, 0.3044**, and **17.6414, 0.2303, 0.2764** is the 20% darker color. If you saturate the color by 10%, you get **35.8869, 0.2354, 0.2790**, and if you desaturate by 10%, it is **43.7111, 0.2630, 0.3004**.

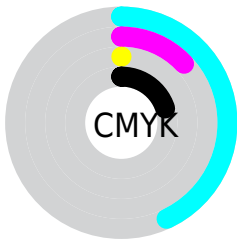
Distribution



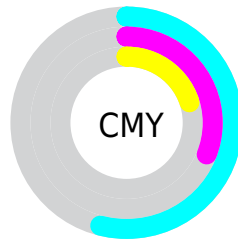
- Red (46%)
- Green (69%)
- Blue (80%)



- Red (46%)
- Yellow (60%)
- Blue (80%)



- Cyan (43%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)





- Cyan (54%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5858, 0.2487, 0.2900 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 39.5858, 0.2487, 0.2900 by changing the saturation by 10% instead.


 39.5858, 0.2487,
0.2900

 39.5858, 0.2487,
0.2900


344.3747, 0.2808,
0.3104

 27.2157, 0.2407,
0.2847


 74.5324, 0.2603,
0.2976

 17.7353, 0.2306,
0.2777


 97.8777, 0.2647,
0.3004

 10.7601, 0.2172,
0.2682


 125.6502, 0.2684,
0.3028

 5.9058, 0.1988,
0.2546

158.2343, 0.2716,
0.3047

 2.7879, 0.1722,
0.2339

196.0144, 0.2743,
0.3065

 1.0220, 0.1296,
0.1997

239.3749, 0.2768,

 0.0000, 0.0000,

0.3079

0.0000

288.7002, 0.2789,
0.3093

■ 39.5858, 0.2487,
0.2900

■ 39.5858, 0.2487,
0.2900

■ 35.8869, 0.2354,
0.2790

■ 43.7111, 0.2630,
0.3004

■ 32.5882, 0.2236,
0.2676

■ 48.2781, 0.2780,
0.3100

■ 29.6669, 0.2134,
0.2558

■ 53.3069, 0.2933,
0.3189

■ 27.0953, 0.2052,
0.2440

■ 58.8145, 0.3086,
0.3270

■ 24.8407, 0.1991,
0.2323

■ 64.8174, 0.3238,
0.3342

■ 23.3493, 0.1955,
0.2239

■ 71.3308, 0.3386,
0.3407

■ 77.4637, 0.3493,
0.3466

■ 80.8685, 0.3481,
0.3529

■ 84.4003, 0.3469,
0.3591

Harmonies

Analogous

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



39.5858, 0.2537, 0.3175



39.5858, 0.2487, 0.2900



39.5858, 0.2595, 0.2749

Triad

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



39.5858, 0.2487, 0.2900



39.5858, 0.3517, 0.3076



39.5858, 0.3391, 0.3907

Complementary

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



39.5858, 0.2487, 0.2900



34.0327, 0.4072, 0.3641

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.



39.5858, 0.3673, 0.3839



39.5858, 0.2487, 0.2900



39.5858, 0.3754, 0.3353

Square

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



39.5858, 0.2487, 0.2900



39.5858, 0.3178, 0.2857



39.5858, 0.3810, 0.3629



39.5858, 0.3048, 0.3786

Rectangle

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



39.5858, 0.2487, 0.2900



39.5858, 0.2747, 0.2726



39.5858, 0.3810, 0.3629



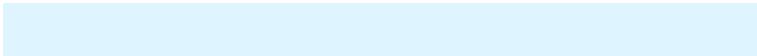
39.5858, 0.3496, 0.3904

Sweetspot

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



39.5873, 0.2487, 0.2900



87.8683, 0.2925, 0.3185



48.9404, 0.2908, 0.4202



18.3961, 0.2891, 0.3166



0.0000, 0.0000, 0.0000



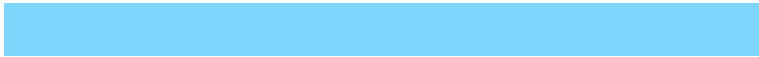
21.4041, 0.3127, 0.3290

Same Dimension

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



39.5873, 0.2487, 0.2900



60.0322, 0.2367, 0.2802



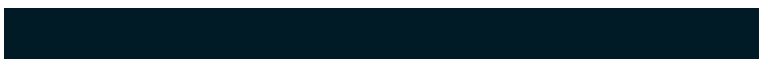
25.2799, 0.2378, 0.2244



12.1178, 0.2983, 0.3217



14.8706, 0.1960, 0.2255



0.8983, 0.2023, 0.2481

Inverse Universe

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



28.7161, 0.3468, 0.2542



40.8062, 0.3568, 0.2395



49.4782, 0.3841, 0.4151



11.3423, 0.3184, 0.3131



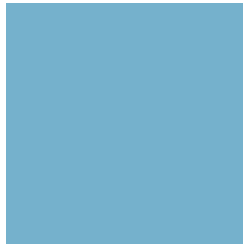
9.3042, 0.4174, 0.2073



0.4932, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 39.5858, 0.2487, 0.2900 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 39.5858, 0.2487, 0.2900 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 39.5858, 0.2487, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 39.5858, 0.2487, 0.2900.



This preview shows how white text looks on a background with the Yxy color 39.5858, 0.2487, 0.2900.

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

39.5858, 0.2487, 0.2900

Protanopia

39.3500, 0.2842, 0.2882

Deuteranopia

39.4146, 0.2791, 0.2734



Tritanopia

39.6679, 0.2539, 0.3081

Trichromacy



Original Color

39.5858, 0.2487, 0.2900

Protanomaly

39.4069, 0.2698, 0.2886

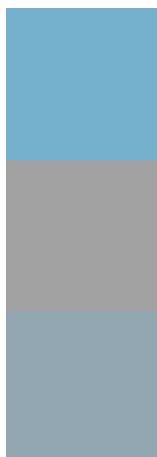
Deuteranomaly

39.1281, 0.2669, 0.2782

Tritanomaly

39.5168, 0.2519, 0.3010

Monochromacy



Original Color

39.5858, 0.2487, 0.2900

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.9228, 0.2861, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5858, 0.2487, 0.2900 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(117, 177, 204)` looks like.

```
.text, #text, p{  
    color:rgb(117, 177, 204)  
}
```

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(117, 177, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 177, 204) }
```

Border

The CSS property to change the border of an element to Yxy 39.5858, 0.2487, 0.2900 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(117, 177, 204) }
```

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

```
.border{ border-color:rgb(117, 177, 204) }
```

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

Here you see how a box with a 4 pixel rgb(117, 177, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 177, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 177, 204);  
box-shadow:4px 4px 4px 4px rgb(117, 177,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5858, 0.2487, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 177, 204) }
```

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

```
.background{ background-color: rgb(117,  
177, 204) }
```

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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