

Converting Colors

$Y_{xy}(38.2452, 0.2392, 0.2986)$

Have a look what the booklet for
Yxy(38.2452, 0.2392, 0.2986)
contains.

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Color

Yxy(38.2452, 0.2392, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	5DB2C6
RGB	93, 178, 198
RGB Percent	36%, 70%, 78%
CMY	0.6348, 0.3020, 0.2235
CMYK	0.53, 0.10, 0.00, 0.22
HSL	191°, 48%, 57%
HSV	191°, 53%, 78%
XYZ	30.6371, 38.2452, 59.1994
YIQ	154.8650, -57.0800, -11.8000

Conversions

Conversions Part 2

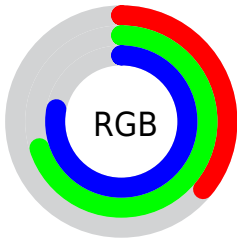
Format	Color
R _Y B	93, 140, 198
Decimal	6140614
CIE Lab	68.20, -20.11, -18.06
CIE LCh	68, 27.030, 221.929
Yxy	38.2452, 0.2392, 0.2986
Android (android.graphics.Color)	4284330694 (0xFF5DB2C6)
YUV	154.8650, 21.2656, -54.2556
Hunter-Lab	61.8427, -19.7951, -13.4659

Details

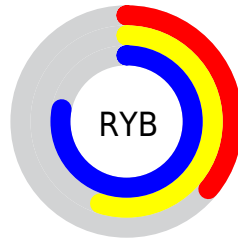
The Yxy color **38.2452, 0.2392, 0.2986** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **24.6419, 0.4499, 0.3554**, and the grayscale version is **32.6519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5497, 0.2523, 0.3048**, and **16.9139, 0.2184, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **35.8587, 0.2290, 0.2918**, and if you desaturate by 10%, it is **40.9436, 0.2510, 0.3051**.

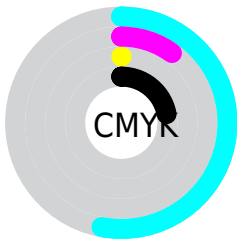
Distribution



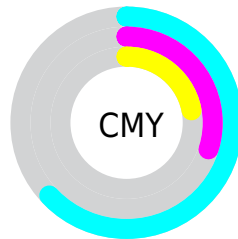
- Red (36%)
- Green (70%)
- Blue (78%)



- Red (36%)
- Yellow (55%)
- Blue (78%)



- Cyan (53%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)




- Cyan (63%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2452, 0.2392, 0.2986 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 38.2452, 0.2392, 0.2986 by changing the saturation by 10% instead.


 38.2452, 0.2392,
0.2986


 38.2452, 0.2392,
0.2986

338.6706, 0.2761,
0.3151

 26.1731, 0.2300,
0.2941


 72.4838, 0.2526,
0.3049


 16.9531, 0.2183,
0.2881


 95.4191, 0.2576,
0.3072

 10.2011, 0.2029,
0.2797


 122.7441, 0.2619,
0.3091

 5.5325, 0.1818,
0.2673

 154.8434, 0.2655,
0.3107

 2.5630, 0.1515,
0.2476

192.1013, 0.2687,
0.3120

 0.9081, 0.0888,
0.2168

234.9022, 0.2715,

 0.0000, 0.0000,

0.3132

0.0000

283.6305, 0.2739,
0.3142

■ 38.2452, 0.2392,
0.2986

■ 38.2452, 0.2392,
0.2986

■ 35.8587, 0.2290,
0.2918

■ 40.9436, 0.2510,
0.3051

■ 33.7584, 0.2207,
0.2849

■ 43.9688, 0.2641,
0.3114

■ 31.9211, 0.2142,
0.2780

■ 47.3397, 0.2782,
0.3172

■ 30.3174, 0.2097,
0.2711

■ 51.0724, 0.2930,
0.3226

■ 29.2923, 0.2073,
0.2663

■ 55.1818, 0.3082,
0.3276

■ 59.6821, 0.3235,
0.3321

■ 64.5866, 0.3387,
0.3361

■ 69.9079, 0.3537,
0.3397

■ 72.4285, 0.3556,
0.3435

Harmonies

Analogous

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



38.2452, 0.2544, 0.3359



38.2452, 0.2392, 0.2986



38.2452, 0.2420, 0.2731

Triad

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



38.2452, 0.2392, 0.2986



38.2452, 0.3377, 0.2894



38.2452, 0.3625, 0.3995

Complementary

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



38.2452, 0.2392, 0.2986



24.6419, 0.4499, 0.3554

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.



38.2452, 0.3878, 0.3810



38.2452, 0.2392, 0.2986



38.2452, 0.3736, 0.3183

Square

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



38.2452, 0.2392, 0.2986



38.2452, 0.2967, 0.2698



38.2452, 0.3923, 0.3511



38.2452, 0.3247, 0.3981

Rectangle

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



38.2452, 0.2392, 0.2986



38.2452, 0.2537, 0.2649



38.2452, 0.3923, 0.3511



38.2452, 0.3728, 0.3952

Sweetspot

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



38.2466, 0.2392, 0.2986



88.1970, 0.2881, 0.3209



43.9042, 0.2943, 0.4670



18.5802, 0.2850, 0.3198



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.



38.2466, 0.2392, 0.2986



62.7129, 0.2272, 0.2905



21.4186, 0.2222, 0.2141



11.7101, 0.2984, 0.3245



19.1662, 0.2076, 0.2673



0.9986, 0.2115, 0.2815

Inverse Universe

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



23.0707, 0.3421, 0.2239



34.2531, 0.3509, 0.2055



39.6361, 0.4102, 0.4202



10.7806, 0.3166, 0.3105



9.4748, 0.3754, 0.1842



0.4578, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 38.2452, 0.2392, 0.2986 looks on a white background.

Color Contrast Check

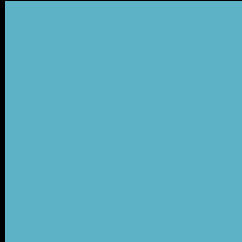
Large Text (above 18pt) WCAG AA × Fail

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 38.2452, 0.2392, 0.2986 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 38.2452, 0.2392, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 38.2452, 0.2392, 0.2986.



This preview shows how white text looks on a background with the Yxy color 38.2452, 0.2392, 0.2986.

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

38.2452, 0.2392, 0.2986

Protanopia

37.8021, 0.2893, 0.2943

Deuteranopia

37.8915, 0.2809, 0.2751



Tritanopia

38.3146, 0.2412, 0.3074

Trichromacy



Original Color

38.2452, 0.2392, 0.2986

Protanomaly

37.4159, 0.2675, 0.2956

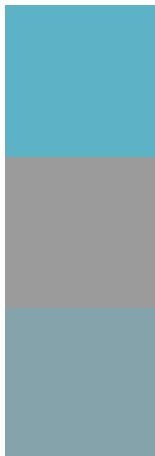
Deuteranomaly

37.6256, 0.2627, 0.2822

Tritanomaly

38.4556, 0.2406, 0.3045

Monochromacy



Original Color

38.2452, 0.2392, 0.2986

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0402, 0.2787, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2452, 0.2392, 0.2986 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(93, 178, 198)` looks like.

```
.text, #text, p{  
    color:rgb(93, 178, 198)  
}
```

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(93, 178, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 178, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.2452, 0.2392, 0.2986 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(93, 178, 198) }
```

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

```
.border{ border-color:rgb(93, 178, 198) }
```

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

Here you see how a box with a 4 pixel rgb(93, 178, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 178, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 178, 198);  
box-shadow:4px 4px 4px 4px rgb(93, 178,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2452, 0.2392, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 178, 198) }
```

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

```
.background{ background-color: rgb(93, 178,  
198) }
```

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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