

Converting Colors

$Yxy(38.5657, 0.2345, 0.3072)$

Have a look what the booklet for
Yxy(38.5657, 0.2345, 0.3072)
contains.

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Color

Yxy(38.5657, 0.2345, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	4DB5C3
RGB	77, 181, 195
RGB Percent	30%, 71%, 76%
CMY	0.6979, 0.2902, 0.2352
CMYK	0.60, 0.07, 0.00, 0.24
HSL	187°, 50%, 53%
HSV	187°, 60%, 76%
XYZ	29.4390, 38.5657, 57.5347
YIQ	151.5000, -66.4780, -17.6940

Conversions

Conversions Part 2

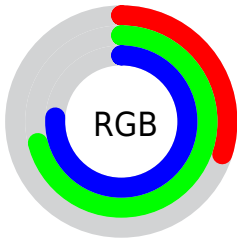
Format	Color
RYB	77, 132, 195
Decimal	5092803
CIELab	68.44, -25.65, -16.11
CIElCh	68, 30.290, 212.137
Yxy	38.5657, 0.2345, 0.3072
Android (android.graphics.Color)	4283282883 (0xFF4DB5C3)
YUV	151.5000, 21.4455, -65.3365
Hunter-Lab	62.1013, -24.0597, -11.4592

Details

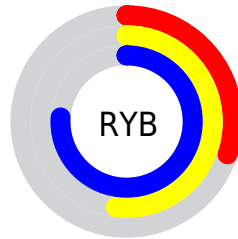
The Yxy color **38.5657, 0.2345, 0.3072** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **19.6357, 0.4876, 0.3469**, and the grayscale version is **31.1063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9150, 0.2484, 0.3113**, and **17.3614, 0.2168, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **36.9383, 0.2267, 0.3031**, and if you desaturate by 10%, it is **40.4548, 0.2442, 0.3113**.

Distribution



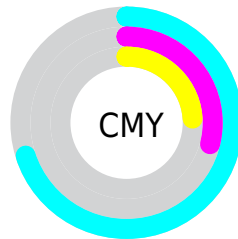
- Red (30%)
- Green (71%)
- Blue (76%)



- Red (30%)
- Yellow (52%)
- Blue (76%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)




- Cyan (70%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5657, 0.2345, 0.3072 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 38.5657, 0.2345, 0.3072 by changing the saturation by 10% instead.


 38.5657, 0.2345,
0.3072


 38.5657, 0.2345,
0.3072


340.0405, 0.2736,
0.3195


 26.4220, 0.2248,
0.3037


 72.9744, 0.2487,
0.3120

 17.1396, 0.2124,
0.2989


 96.0082, 0.2540,
0.3137

 10.3341, 0.1962,
0.2921


 123.4408, 0.2586,
0.3151

 5.6210, 0.1740,
0.2819

 155.6567, 0.2624,
0.3163

 2.6160, 0.1425,
0.2649

193.0402, 0.2658,
0.3173

 0.9347, 0.0673,
0.2406

235.9758, 0.2687,

 0.0000, 0.0000,

0.3181

0.0000

284.8477, 0.2713,
0.3189

■ 38.5657, 0.2345,
0.3072

■ 38.5657, 0.2345,
0.3072

■ 36.9383, 0.2267,
0.3031

■ 40.4548, 0.2442,
0.3113

■ 35.5459, 0.2207,
0.2989

■ 42.6211, 0.2555,
0.3152

■ 34.3630, 0.2167,
0.2948

■ 45.0839, 0.2682,
0.3190

■ 33.3843, 0.2142,
0.2909

■ 47.8593, 0.2821,
0.3225

■ 50.9623, 0.2967,
0.3258

■ 54.4070, 0.3120,
0.3289

■ 58.2065, 0.3274,
0.3316

■ 62.3732, 0.3429,
0.3341

■ 66.9191, 0.3582,
0.3363

Harmonies

Analogous

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



38.5657, 0.2573, 0.3513



38.5657, 0.2345, 0.3072



38.5657, 0.2311, 0.2739

Triad

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



38.5657, 0.2345, 0.3072



38.5657, 0.3254, 0.2767



38.5657, 0.3793, 0.4028

Complementary

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



38.5657, 0.2345, 0.3072



19.6357, 0.4876, 0.3469

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.



38.5657, 0.4010, 0.3763



38.5657, 0.2345, 0.3072



38.5657, 0.3692, 0.3057

Square

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



38.5657, 0.2345, 0.3072



38.5657, 0.2808, 0.2595



38.5657, 0.3977, 0.3411



38.5657, 0.3403, 0.4101

Rectangle

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



38.5657, 0.2345, 0.3072



38.5657, 0.2399, 0.2612



38.5657, 0.3977, 0.3411



38.5657, 0.3889, 0.3956

Sweetspot

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



38.5671, 0.2345, 0.3072



86.8743, 0.2852, 0.3233



41.3719, 0.2969, 0.5022



18.6802, 0.2810, 0.3223



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.



38.5671, 0.2345, 0.3072



65.1868, 0.2243, 0.3016



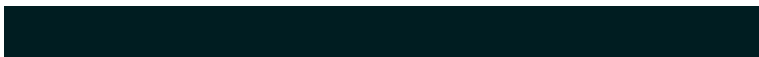
19.5060, 0.2123, 0.2080



11.2174, 0.2984, 0.3262



21.7736, 0.2143, 0.2915



0.9997, 0.2168, 0.3006

Inverse Universe

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



20.2551, 0.3364, 0.2033



30.6770, 0.3426, 0.1852



33.8896, 0.4322, 0.4217



10.2262, 0.3155, 0.3090



9.4803, 0.3530, 0.1718



0.4156, 0.3449, 0.1674

Previews

White Background



This preview shows how the Yxy color 38.5657, 0.2345, 0.3072 looks on a white background.

Color Contrast Check

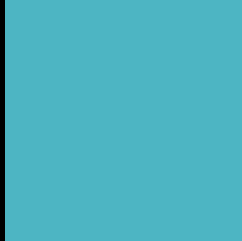
Large Text (above 18pt) WCAG AA × Fail

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 38.5657, 0.2345, 0.3072 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 38.5657, 0.2345, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 38.5657, 0.2345, 0.3072.



This preview shows how white text looks on a background with the Yxy color 38.5657, 0.2345, 0.3072.

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

38.5657, 0.2345, 0.3072

Protanopia

38.1575, 0.2950, 0.3025

Deuteranopia

37.9635, 0.2848, 0.2791



Tritanopia

38.6110, 0.2340, 0.3058

Trichromacy



Original Color

38.5657, 0.2345, 0.3072



Protanomaly

37.6622, 0.2676, 0.3039



Deuteranomaly

37.4397, 0.2612, 0.2872



Tritanomaly

38.6110, 0.2340, 0.3058

Monochromacy



Original Color

38.5657, 0.2345, 0.3072



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.3815, 0.2753, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5657, 0.2345, 0.3072 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(77, 181, 195)` looks like.

```
.text, #text, p{  
    color:rgb(77, 181, 195)  
}
```

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(77, 181, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 181, 195) }
```

Border

The CSS property to change the border of an element to Yxy 38.5657, 0.2345, 0.3072 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(77, 181, 195) }
```

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

```
.border{ border-color:rgb(77, 181, 195) }
```

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

Here you see how a box with a 4 pixel rgb(77, 181, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 181, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 181, 195);  
box-shadow:4px 4px 4px 4px rgb(77, 181,  
195) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 38.5657, 0.2345, 0.3072$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 181, 195) }
```

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

```
.background{ background-color: rgb(77, 181,  
195) }
```

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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