

Converting Colors

$Y_{xy}(38.6982, 0.2365, 0.3015)$

Have a look what the booklet for
Yxy(38.6982, 0.2365, 0.3015)
contains.

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Color

Yxy(38.6982, 0.2365, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	56B4C6
RGB	86, 180, 198
RGB Percent	34%, 71%, 78%
CMY	0.6626, 0.2941, 0.2235
CMYK	0.57, 0.09, 0.00, 0.22
HSL	190°, 50%, 56%
HSV	190°, 57%, 78%
XYZ	30.3553, 38.6982, 59.2987
YIQ	153.9460, -61.8020, -14.3300

Conversions

Conversions Part 2

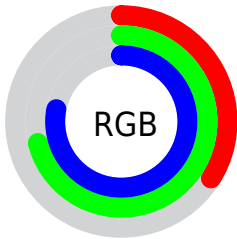
Format	Color
R_{YB}	86, 137, 198
Decimal	5682374
CIE _{Lab}	68.53, -22.59, -17.58
CIE _{LCh}	69, 28.627, 217.893
Yxy	38.6982, 0.2365, 0.3015
Android (android.graphics.Color)	4283872454 (0xFF56B4C6)
YUV	153.9460, 21.7186, -59.5886
Hunter-Lab	62.2079, -21.7619, -12.9718

Details

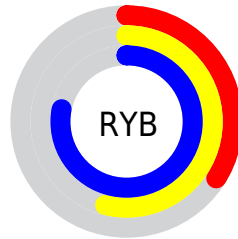
The Yxy color **38.6982, 0.2365, 0.3015** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **22.5909, 0.4668, 0.3523**, and the grayscale version is **32.2189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2306, 0.2504, 0.3070**, and **17.2246, 0.2152, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **36.6146, 0.2274, 0.2958**, and if you desaturate by 10%, it is **41.0746, 0.2474, 0.3070**.

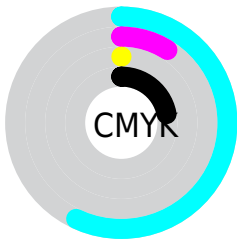
Distribution



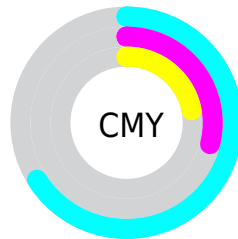
- Red (34%)
- Green (71%)
- Blue (78%)



- Red (34%)
- Yellow (54%)
- Blue (78%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (66%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6982, 0.2365, 0.3015 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 38.6982, 0.2365, 0.3015 by changing the saturation by 10% instead.


 38.6982, 0.2365,
0.3015


 38.6982, 0.2365,
0.3015


340.6057, 0.2746,
0.3166

 26.5250, 0.2271,
0.2973

 73.1770, 0.2503,
0.3073


 17.2168, 0.2150,
0.2917


 96.2515, 0.2555,
0.3094

 10.3892, 0.1992,
0.2839


 123.7285, 0.2599,
0.3111

 5.6578, 0.1777,
0.2722

 155.9925, 0.2637,
0.3126

 2.6381, 0.1470,
0.2534

193.4278, 0.2670,
0.3138

 0.9459, 0.0822,
0.2244

236.4188, 0.2698,

 0.0000, 0.0000,

0.3149

0.0000

285.3500, 0.2724,
0.3158

■ 38.6982, 0.2365,
0.3015

■ 38.6982, 0.2365,
0.3015

■ 36.6146, 0.2274,
0.2958

■ 41.0746, 0.2474,
0.3070

■ 34.7972, 0.2201,
0.2901

■ 43.7592, 0.2597,
0.3123

■ 33.2215, 0.2148,
0.2843

■ 46.7713, 0.2732,
0.3174

■ 31.8537, 0.2112,
0.2787

■ 50.1273, 0.2877,
0.3221

■ 31.4071, 0.2102,
0.2767

■ 53.8426, 0.3027,
0.3264

■ 57.9314, 0.3180,
0.3303

■ 62.4071, 0.3334,
0.3339

■ 67.2825, 0.3487,
0.3370

■ 70.7726, 0.3563,
0.3401

Harmonies

Analogous

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



38.6982, 0.2549, 0.3419



38.6982, 0.2365, 0.3015



38.6982, 0.2369, 0.2727

Triad

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



38.6982, 0.2365, 0.3015



38.6982, 0.3332, 0.2839



38.6982, 0.3696, 0.4018

Complementary

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



38.6982, 0.2365, 0.3015



22.5909, 0.4668, 0.3523

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.



38.6982, 0.3939, 0.3797



38.6982, 0.2365, 0.3015



38.6982, 0.3727, 0.3132

Square

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



38.6982, 0.2365, 0.3015



38.6982, 0.2902, 0.2651



38.6982, 0.3955, 0.3474



38.6982, 0.3309, 0.4038

Rectangle

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



38.6982, 0.2365, 0.3015



38.6982, 0.2475, 0.2627



38.6982, 0.3955, 0.3474



38.6982, 0.3798, 0.3962

Sweetspot

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



38.6997, 0.2365, 0.3015



88.3166, 0.2866, 0.3217



43.3477, 0.2956, 0.4839



18.6351, 0.2836, 0.3208



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.



38.6997, 0.2365, 0.3015



63.9937, 0.2254, 0.2944



20.7842, 0.2173, 0.2110



11.7658, 0.2984, 0.3252



20.5285, 0.2104, 0.2775



1.0520, 0.2137, 0.2893

Inverse Universe

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



21.9647, 0.3404, 0.2145



32.7865, 0.3481, 0.1964



37.4137, 0.4204, 0.4212



10.7862, 0.3162, 0.3098



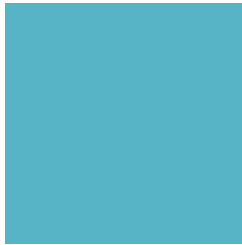
9.6124, 0.3658, 0.1789



0.4632, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 38.6982, 0.2365, 0.3015 looks on a white background.

Color Contrast Check

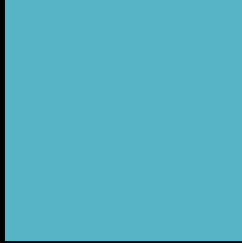
Large Text (above 18pt) WCAG AA × Fail

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 38.6982, 0.2365, 0.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

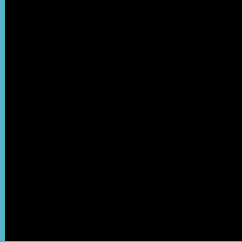
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6982, 0.2365, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 38.6982, 0.2365, 0.3015.



This preview shows how white text looks on a background with the Yxy color 38.6982, 0.2365, 0.3015.

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

38.6982, 0.2365, 0.3015

Protanopia

38.3276, 0.2919, 0.2972

Deuteranopia

38.3512, 0.2818, 0.2766



Tritanopia

38.5139, 0.2376, 0.3059

Trichromacy



Original Color

38.6982, 0.2365, 0.3015

Protanomaly

37.7061, 0.2669, 0.2970

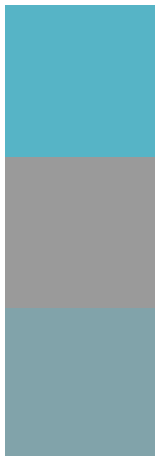
Deuteranomaly

37.8272, 0.2614, 0.2835

Tritanomaly

38.5593, 0.2371, 0.3044

Monochromacy



Original Color

38.6982, 0.2365, 0.3015

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7638, 0.2770, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6982, 0.2365, 0.3015 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(86, 180, 198)` looks like.

```
.text, #text, p{  
    color:rgb(86, 180, 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(86, 180, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 180, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.6982, 0.2365, 0.3015 is called "border". The border property can be set on classes, ids or directly on the HTML element.

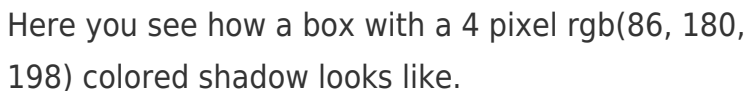
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 180, 198) }
```

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

```
.border{ border-color:rgb(86, 180, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 180, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 180, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 180, 198); box-shadow:4px 4px 4px 4px rgb(86, 180, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6982, 0.2365, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 180, 198) }
```

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

```
.background{ background-color: rgb(86, 180,  
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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