

Converting Colors

$Y_{xy}(39.0390, 0.2584, 0.3391)$

Have a look what the booklet for
Yxy(39.0390, 0.2584, 0.3391)
contains.

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Color

Yxy(38.9677, 0.2581, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	66B5AF
RGB	102, 181, 175
RGB Percent	40%, 71%, 69%
CMY	0.6001, 0.2902, 0.3137
CMYK	0.44, 0.00, 0.03, 0.29
HSL	175°, 35%, 55%
HSV	175°, 44%, 71%
XYZ	29.7385, 38.9677, 46.5147
YIQ	156.6950, -45.1580, -18.6140

Conversions

Conversions Part 2

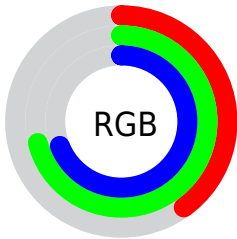
Format	Color
RYB	102, 143, 181
Decimal	6731183
CIELab	68.73, -25.77, -4.55
CIELCh	69, 26.164, 190.006
Yxy	38.9677, 0.2581, 0.3382
Android (android.graphics.Color)	4284921263 (0xFF66B5AF)
YUV	156.6950, 9.0244, -47.9675
Hunter-Lab	62.4241, -24.2058, -0.4824

Details

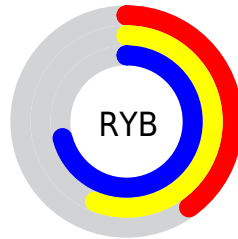
The Yxy color **38.9677, 0.2581, 0.3382** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.4026, 0.4166, 0.3206**, and the grayscale version is **33.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4496, 0.2684, 0.3371**, and **17.4492, 0.2420, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **37.9713, 0.2492, 0.3406**, and if you desaturate by 10%, it is **40.1986, 0.2686, 0.3359**.

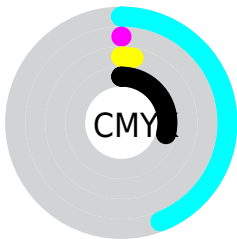
Distribution



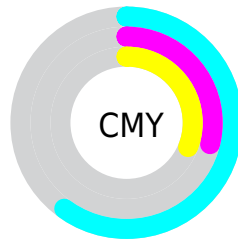
- Red (40%)
- Green (71%)
- Blue (69%)



- Red (40%)
- Yellow (56%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)




- Cyan (60%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9677, 0.2581, 0.3382 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 38.9677, 0.2581, 0.3382 by changing the saturation by 10% instead.


 38.9677, 0.2581,
0.3382


 38.9677, 0.2581,
0.3382


341.7531, 0.2859,
0.3339


 26.7346, 0.2510,
0.3392


 73.5890, 0.2683,
0.3367

 17.3740, 0.2419,
0.3404


 96.7459, 0.2721,
0.3361

 10.5015, 0.2296,
0.3418


 124.3130, 0.2753,
0.3356

 5.7327, 0.2123,
0.3435

 156.6745, 0.2780,
0.3352

 2.6832, 0.1863,
0.3454

194.2149, 0.2804,
0.3348

 0.9687, 0.1077,
0.3605

237.3185, 0.2824,

 0.0000, 0.0000,

0.3345

0.0000

286.3698, 0.2843,
0.3342

■ 38.9677, 0.2581,
0.3382

■ 38.9677, 0.2581,
0.3382

■ 37.9713, 0.2492,
0.3406

■ 40.1986, 0.2686,
0.3359

■ 37.1896, 0.2420,
0.3432

■ 41.6731, 0.2806,
0.3336

■ 36.6071, 0.2367,
0.3457


■ 43.4056, 0.2936,
0.3316


■ 36.2043, 0.2333,
0.3483


■ 45.4080, 0.3075,
0.3297

■ 35.9576, 0.2317,
0.3508


■ 47.6912, 0.3219,
0.3279

 35.8509, 0.2312,
0.3524

 50.2659, 0.3366,
0.3264

 53.1420, 0.3514,
0.3250

 56.3289, 0.3660,
0.3238

 57.9150, 0.3719,
0.3225

Harmonies

Analogous

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



38.9677, 0.2886, 0.3743



38.9677, 0.2581, 0.3382



38.9677, 0.2423, 0.3019

Triad

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



38.9677, 0.2581, 0.3382



38.9677, 0.2949, 0.2711



38.9677, 0.3859, 0.3776

Complementary

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



38.9677, 0.2581, 0.3382



20.4026, 0.4166, 0.3206

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.



38.9677, 0.3887, 0.3484



38.9677, 0.2581, 0.3382



38.9677, 0.3343, 0.2893

Square

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



38.9677, 0.2581, 0.3382



38.9677, 0.2624, 0.2660



38.9677, 0.3695, 0.3168



38.9677, 0.3627, 0.3962

Rectangle

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



38.9677, 0.2581, 0.3382



38.9677, 0.2413, 0.2833



38.9677, 0.3695, 0.3168



38.9677, 0.3893, 0.3686

Sweetspot

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



38.9692, 0.2581, 0.3382



77.8820, 0.2942, 0.3315



37.2325, 0.3115, 0.4606



16.6770, 0.2913, 0.3319



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.9692, 0.2581, 0.3382



68.1274, 0.2498, 0.3405



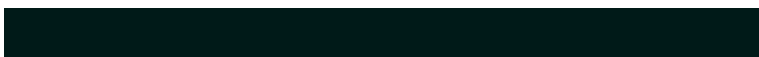
27.3622, 0.2454, 0.2750



9.6202, 0.2996, 0.3307



24.7170, 0.2311, 0.3520



0.7810, 0.2292, 0.3450

Inverse Universe

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



20.4026, 0.4166, 0.3206



30.7190, 0.4520, 0.3193



28.0833, 0.4036, 0.3765



8.5154, 0.3275, 0.3273



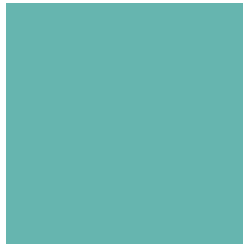
6.7979, 0.6301, 0.3245



0.2173, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 38.9677, 0.2581, 0.3382 looks on a white background.

Color Contrast Check

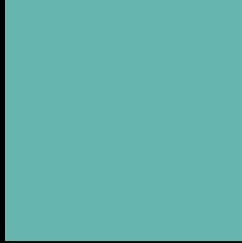
Large Text (above 18pt) WCAG AA × Fail

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 38.9677, 0.2581, 0.3382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

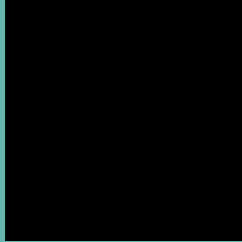
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9677, 0.2581, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 38.9677, 0.2581, 0.3382.

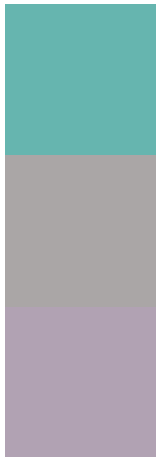


This preview shows how white text looks on a background with the Yxy color 38.9677, 0.2581, 0.3382.

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

38.9677, 0.2581, 0.3382

Protanopia

38.5717, 0.3164, 0.3290

Deuteranopia

38.4424, 0.3119, 0.3060



Tritanopia

38.8168, 0.2495, 0.3064

Trichromacy



Original Color

38.9677, 0.2581, 0.3382

Protanomaly

38.0101, 0.2917, 0.3319

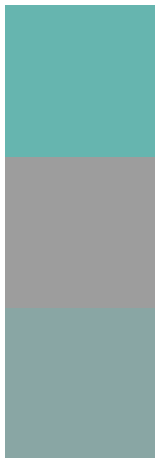
Deuteranomaly

38.0743, 0.2888, 0.3159

Tritanomaly

38.7886, 0.2527, 0.3182

Monochromacy



Original Color

38.9677, 0.2581, 0.3382

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.2711, 0.2885, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9677, 0.2581, 0.3382 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(102, 181, 175)` looks like.

```
.text, #text, p{  
    color:rgb(102, 181, 175)  
}
```

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(102, 181, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 181, 175) }
```

Border

The CSS property to change the border of an element to Yxy 38.9677, 0.2581, 0.3382 is called "border". The border property can be set on classes, ids or directly on the HTML element.

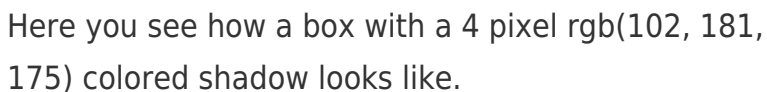
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 181, 175) }
```

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

```
.border{ border-color:rgb(102, 181, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 181, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 181, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 181, 175); box-shadow:4px 4px 4px 4px rgb(102, 181, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9677, 0.2581, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 181, 175) }
```

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

```
.background{ background-color: rgb(102,  
181, 175) }
```

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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