

Converting Colors

$Yxy(39.0177, 0.2426, 0.3238)$

Have a look what the booklet for
Yxy(39.0177, 0.2426, 0.3238)
contains.

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Color

Yxy(38.8401, 0.2422, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	53B6BA
RGB	83, 182, 186
RGB Percent	33%, 71%, 73%
CMY	0.6742, 0.2863, 0.2707
CMYK	0.55, 0.02, 0.00, 0.27
HSL	182°, 43%, 53%
HSV	182°, 55%, 73%
XYZ	29.1602, 38.8401, 52.3968
YIQ	152.8550, -60.2880, -19.7440

Conversions

Conversions Part 2

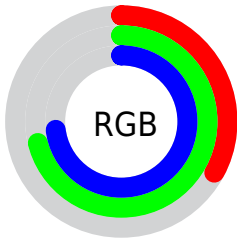
Format	Color
R_YB	83, 133, 186
Decimal	5486266
CIE _{Lab}	68.64, -27.58, -10.80
CIE _{LCh}	69, 29.622, 201.392
Yxy	38.8401, 0.2422, 0.3226
Android (android.graphics.Color)	4283676346 (0xFF53B6BA)
YUV	152.8550, 16.3405, -61.2628
Hunter-Lab	62.3218, -25.5436, -6.2225

Details

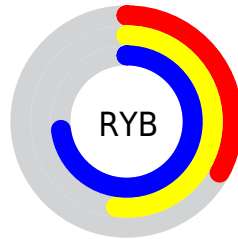
The Yxy color **38.8401, 0.2422, 0.3226** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.8852, 0.4720, 0.3348**, and the grayscale version is **31.7443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2226, 0.2549, 0.3241**, and **17.3940, 0.2222, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **37.8120, 0.2344, 0.3213**, and if you desaturate by 10%, it is **40.0996, 0.2518, 0.3239**.

Distribution



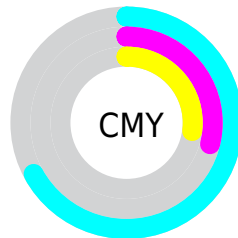
- Red (33%)
- Green (71%)
- Blue (73%)



- Red (33%)
- Yellow (52%)
- Blue (73%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)




- Cyan (67%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8401, 0.2422, 0.3226 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 38.8401, 0.2422, 0.3226 by changing the saturation by 10% instead.


 38.8401, 0.2422,
0.3226


 38.8401, 0.2422,
0.3226


341.2102, 0.2777,
0.3268


 26.6354, 0.2333,
0.3212


 73.3940, 0.2551,
0.3244


 17.2996, 0.2219,
0.3192


 96.5119, 0.2600,
0.3250

 10.4483, 0.2068,
0.3162


 124.0364, 0.2641,
0.3254

 5.6972, 0.1860,
0.3113

 156.3517, 0.2676,
0.3258

 2.6618, 0.1557,
0.3023

193.8424, 0.2706,
0.3261

 0.9579, 0.0724,
0.2946

236.8928, 0.2733,

 0.0000, 0.0000,

0.3264

0.0000

285.8872, 0.2756,
0.3266

■ 38.8401, 0.2422,
0.3226

■ 38.8401, 0.2422,
0.3226

■ 37.8120, 0.2344,
0.3213

■ 40.0996, 0.2518,
0.3239

■ 36.9922, 0.2285,
0.3200

■ 41.6026, 0.2631,
0.3251

■ 36.3608, 0.2245,
0.3187

■ 43.3655, 0.2758,
0.3263

■ 35.8912, 0.2222,
0.3175

■ 45.4021, 0.2897,
0.3274

■ 35.7007, 0.2214,
0.3169

■ 47.7253, 0.3046,
0.3285

■ 50.3470, 0.3200,
0.3294

■ 53.2786, 0.3357,
0.3303

■ 56.5307, 0.3515,
0.3311

■ 60.1136, 0.3672,
0.3318

Harmonies

Analogous

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



38.8401, 0.2707, 0.3660



38.8401, 0.2422, 0.3226



38.8401, 0.2319, 0.2852

Triad

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



38.8401, 0.2422, 0.3226



38.8401, 0.3089, 0.2702



38.8401, 0.3878, 0.3935

Complementary

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



38.8401, 0.2422, 0.3226



17.8852, 0.4720, 0.3348

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.



38.8401, 0.4007, 0.3635



38.8401, 0.2422, 0.3226



38.8401, 0.3535, 0.2950

Square

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



38.8401, 0.2422, 0.3226



38.8401, 0.2682, 0.2585



38.8401, 0.3881, 0.3282



38.8401, 0.3546, 0.4083

Rectangle

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



38.8401, 0.2422, 0.3226



38.8401, 0.2359, 0.2685



38.8401, 0.3881, 0.3282



38.8401, 0.3947, 0.3846

Sweetspot

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



38.8416, 0.2422, 0.3226



81.5625, 0.2869, 0.3272



37.6276, 0.3026, 0.4989



17.7929, 0.2841, 0.3270



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.8416, 0.2422, 0.3226



68.2724, 0.2332, 0.3211



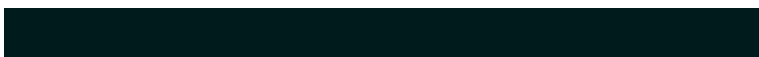
21.6440, 0.2241, 0.2359



10.1496, 0.2985, 0.3281



24.0532, 0.2214, 0.3171



0.8664, 0.2223, 0.3203

Inverse Universe

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



20.0109, 0.3235, 0.2037



31.0720, 0.3258, 0.1844



29.2245, 0.4271, 0.4041



9.1566, 0.3143, 0.3073



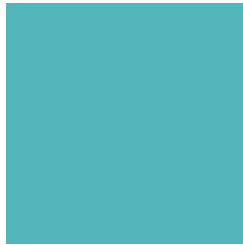
9.2105, 0.3307, 0.1595



0.3266, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 38.8401, 0.2422, 0.3226 looks on a white background.

Color Contrast Check

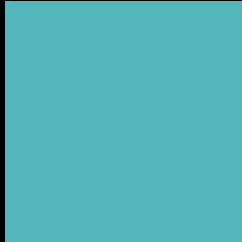
Large Text (above 18pt) WCAG AA × Fail

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 38.8401, 0.2422, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

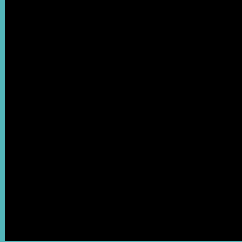
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

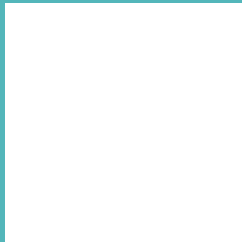
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8401, 0.2422, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 38.8401, 0.2422, 0.3226.



This preview shows how white text looks on a background with the Yxy color 38.8401, 0.2422, 0.3226.

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

38.8401, 0.2422, 0.3226

Protanopia

38.2603, 0.3052, 0.3136

Deuteranopia

38.2163, 0.2972, 0.2911



Tritanopia

39.0141, 0.2388, 0.3075

Trichromacy



Original Color

38.8401, 0.2422, 0.3226

Protanomaly

37.6553, 0.2762, 0.3156

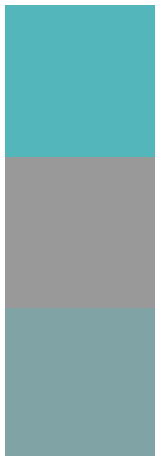
Deuteranomaly

37.5390, 0.2718, 0.2999

Tritanomaly

38.8320, 0.2400, 0.3119

Monochromacy



Original Color

38.8401, 0.2422, 0.3226

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.8567, 0.2801, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8401, 0.2422, 0.3226 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(83, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(83, 182, 186)  
}
```

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(83, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 182, 186) }
```

Border

The CSS property to change the border of an element to Yxy 38.8401, 0.2422, 0.3226 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(83, 182, 186) }
```

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

```
.border{ border-color:rgb(83, 182, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 182, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 182, 186);  
box-shadow:4px 4px 4px 4px rgb(83, 182,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8401, 0.2422, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 182, 186) }
```

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

```
.background{ background-color: rgb(83, 182,  
186) }
```

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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