

Converting Colors

$Y_{xy}(38.1903, 0.2234, 0.2918)$

Have a look what the booklet for
Yxy(38.1903, 0.2234, 0.2918)
contains.

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Color

Yxy(38.3853, 0.2234, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	3BB5CD
RGB	59, 181, 205
RGB Percent	23%, 71%, 80%
CMY	0.7687, 0.2902, 0.1960
CMYK	0.71, 0.12, 0.00, 0.20
HSL	190°, 59%, 52%
HSV	190°, 71%, 80%
XYZ	29.3473, 38.3853, 63.6339
YIQ	147.2580, -80.4160, -18.4000

Conversions

Conversions Part 2

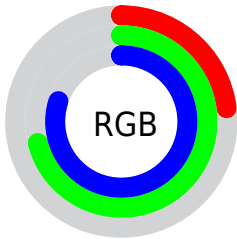
Format	Color
R_{YB}	59, 125, 205
Decimal	3913165
CIE _{Lab}	68.30, -25.43, -21.86
CIE _{LCh}	68, 33.538, 220.684
Yxy	38.3853, 0.2234, 0.2922
Android (android.graphics.Color)	4282103245 (0xFF3BB5CD)
YUV	147.2580, 28.4668, -77.4023
Hunter-Lab	61.9559, -23.8708, -17.5268

Details

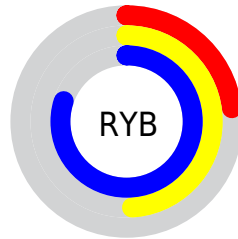
The Yxy color **38.3853, 0.2234, 0.2922** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **19.4828, 0.5293, 0.3548**, and the grayscale version is **29.1923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1483, 0.2422, 0.3077**, and **17.6727, 0.2113, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **36.5241, 0.2170, 0.2863**, and if you desaturate by 10%, it is **40.5283, 0.2317, 0.2981**.

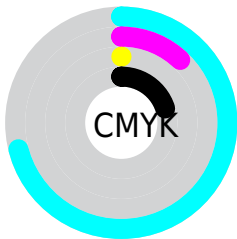
Distribution



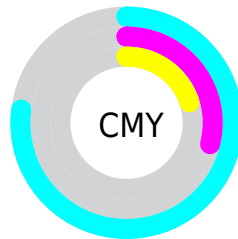
- Red (23%)
- Green (71%)
- Blue (80%)



- Red (23%)
- Yellow (49%)
- Blue (80%)



- Cyan (71%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)





- Cyan (77%)
- Magenta (29%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3853, 0.2234, 0.2922 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 38.3853, 0.2234, 0.2922 by changing the saturation by 10% instead.


 38.3853, 0.2234,
0.2922

 38.3853, 0.2234,
0.2922


339.2699, 0.2678,
0.3124


 26.2819, 0.2126,
0.2867


 72.6983, 0.2394,
0.2999


 17.0346, 0.1989,
0.2793


 95.6767, 0.2454,
0.3027


 10.2592, 0.1811,
0.2691


 123.0488, 0.2505,
0.3050

 5.5711, 0.1573,
0.2541

 155.1991, 0.2550,
0.3069

 2.5861, 0.1244,
0.2306

 192.5120, 0.2588,
0.3086

 0.9197, 0.0538,
0.1956

235.3718, 0.2621,

 0.0000, 0.0000,

0.3100

0.0000

284.1630, 0.2651,
0.3113

■ 38.3853, 0.2234,
0.2922

■ 38.3853, 0.2234,
0.2922

■ 36.5241, 0.2170,
0.2863

■ 40.5283, 0.2317,
0.2981

■ 34.9095, 0.2125,
0.2804

■ 42.9750, 0.2418,
0.3038

■ 33.6500, 0.2098,
0.2753

■ 45.7494, 0.2535,
0.3094

■ 48.8719, 0.2666,
0.3147

■ 52.3612, 0.2807,
0.3197

■ 56.2344, 0.2955,
0.3243

■ 60.5076, 0.3108,
0.3285

■ 65.1958, 0.3262,
0.3323

■ 70.3133, 0.3416,
0.3357

Harmonies

Analogous

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



38.3853, 0.2423, 0.3391



38.3853, 0.2234, 0.2922



38.3853, 0.2260, 0.2609

Triad

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



38.3853, 0.2234, 0.2922



38.3853, 0.3412, 0.2794



38.3853, 0.3751, 0.4156

Complementary

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



38.3853, 0.2234, 0.2922



19.4828, 0.5293, 0.3548

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.



38.3853, 0.4061, 0.3904



38.3853, 0.2234, 0.2922



38.3853, 0.3868, 0.3137

Square

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



38.3853, 0.2234, 0.2922



38.3853, 0.2905, 0.2565



38.3853, 0.4111, 0.3531



38.3853, 0.3287, 0.4166

Rectangle

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



38.3853, 0.2234, 0.2922



38.3853, 0.2394, 0.2510



38.3853, 0.4111, 0.3531



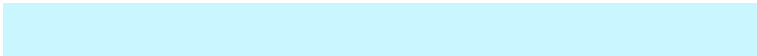
38.3853, 0.3878, 0.4093

Sweetspot

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



38.3867, 0.2234, 0.2922



85.7290, 0.2807, 0.3197



45.1949, 0.2939, 0.5288



17.9943, 0.2766, 0.3183



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.



38.3867, 0.2234, 0.2922



58.4842, 0.2146, 0.2835



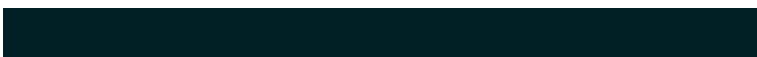
16.5086, 0.1940, 0.1739



12.4007, 0.2983, 0.3251



21.0620, 0.2101, 0.2762



1.1724, 0.2132, 0.2876

Inverse Universe

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



19.4435, 0.3503, 0.1941



27.7954, 0.3596, 0.1825



36.3775, 0.4516, 0.4379



11.3708, 0.3162, 0.3099



9.9292, 0.3670, 0.1795



0.5209, 0.3565, 0.1738

Previews

White Background



This preview shows how the Yxy color 38.3853, 0.2234, 0.2922 looks on a white background.

Color Contrast Check

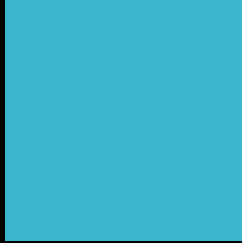
Large Text (above 18pt) WCAG AA × Fail

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 38.3853, 0.2234, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

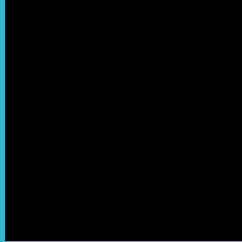
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3853, 0.2234, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 38.3853, 0.2234, 0.2922.



This preview shows how white text looks on a background with the Yxy color 38.3853, 0.2234, 0.2922.

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

38.3853, 0.2234, 0.2922

Protanopia

37.8748, 0.2853, 0.2890

Deuteranopia

37.8150, 0.2725, 0.2661



Tritanopia

38.2714, 0.2260, 0.3054

Trichromacy



Original Color

38.3853, 0.2234, 0.2922



Protanomaly

36.9916, 0.2551, 0.2893



Deuteranomaly

37.1410, 0.2482, 0.2732



Tritanomaly

38.4668, 0.2252, 0.3010

Monochromacy



Original Color

38.3853, 0.2234, 0.2922



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.2683, 0.2667, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3853, 0.2234, 0.2922 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(59, 181, 205)` looks like.

```
.text, #text, p{  
    color:rgb(59, 181, 205)  
}
```

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(59, 181, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 181, 205) }
```

Border

The CSS property to change the border of an element to Yxy 38.3853, 0.2234, 0.2922 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(59, 181, 205) }
```

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

```
.border{ border-color:rgb(59, 181, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 181, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 181, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 181, 205);  
box-shadow:4px 4px 4px 4px rgb(59, 181,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3853, 0.2234, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 181, 205) }
```

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

```
.background{ background-color: rgb(59, 181,  
205) }
```

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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