

Converting Colors

$Y_{xy}(38.4459, 0.2154, 0.2939)$

Have a look what the booklet for
Yxy(38.4459, 0.2154, 0.2939)
contains.

Yxy(38.3684, 0.2152, 0.2932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(38.3684, 0.2152, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	07B7CE
RGB	7, 183, 206
RGB Percent	3%, 72%, 81%
CMY	0.9737, 0.2823, 0.1920
CMYK	0.97, 0.11, 0.00, 0.19
HSL	187°, 94%, 42%
HSV	187°, 97%, 81%
XYZ	28.1613, 38.3684, 64.3312
YIQ	132.9980, -112.2790, -30.1590

Conversions

Conversions Part 2

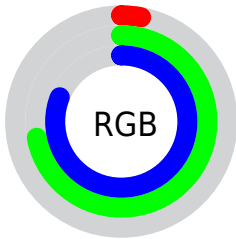
Format	Color
RYB	7, 100, 206
Decimal	505806
CIELab	68.29, -29.99, -22.49
CIELCh	68, 37.491, 216.866
Yxy	38.3684, 0.2152, 0.2932
Android (android.graphics.Color)	4278695886 (0xFF07B7CE)
YUV	132.9980, 35.9900, -110.5002
Hunter-Lab	61.9422, -27.2461, -18.2171

Details

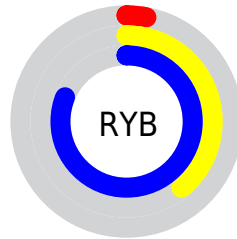
The Yxy color **38.3684, 0.2152, 0.2932** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **14.0561, 0.6247, 0.3383**, and the grayscale version is **23.3218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9563, 0.2356, 0.3097**, and **18.2323, 0.2120, 0.2832** is the 20% darker color. If you saturate the color by 10%, you get **38.0071, 0.2144, 0.2919**, and if you desaturate by 10%, it is **39.5540, 0.2181, 0.2972**.

Distribution



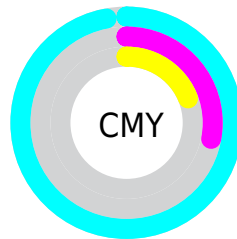
- Red (3%)
- Green (72%)
- Blue (81%)



- Red (3%)
- Yellow (39%)
- Blue (81%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (97%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3684, 0.2152, 0.2932 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 38.3684, 0.2152, 0.2932 by changing the saturation by 10% instead.


 38.3684, 0.2152,
0.2932


 38.3684, 0.2152,
0.2932


339.1977, 0.2634,
0.3132

 26.2687, 0.2035,
0.2876

 72.6724, 0.2325,
0.3009


 17.0248, 0.1888,
0.2802


 95.6456, 0.2391,
0.3037

 10.2522, 0.1699,
0.2697


 123.0121, 0.2446,
0.3059

 5.5665, 0.1448,
0.2544

 155.1563, 0.2494,
0.3079

 2.5833, 0.1108,
0.2301

 192.4625, 0.2536,
0.3095

 0.9183, 0.0299,
0.1958

235.3152, 0.2573,

 0.0000, 0.0000,

0.3109

0.0000

284.0988, 0.2605,
0.3121

■ 38.3684, 0.2152,
0.2932

■ 38.3684, 0.2152,
0.2932

■ 38.0071, 0.2144,
0.2919

■ 39.5540, 0.2181,
0.2972

■ 40.9500, 0.2228,
0.3012

■ 42.5951, 0.2294,
0.3052

■ 44.5178, 0.2379,
0.3092

■ 46.7428, 0.2481,
0.3132

■ 49.2917, 0.2600,
0.3170

■ 52.1842, 0.2732,
0.3206

■ 55.4382, 0.2874,
0.3239

■ 59.0704, 0.3024,
0.3270

Harmonies

Analogous

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



38.3684, 0.2386, 0.3472



38.3684, 0.2152, 0.2932



38.3684, 0.2152, 0.2563

Triad

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



38.3684, 0.2152, 0.2932



38.3684, 0.3370, 0.2701



38.3684, 0.3874, 0.4230

Complementary

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



38.3684, 0.2152, 0.2932



14.0561, 0.6247, 0.3383

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.



38.3684, 0.4193, 0.3915



38.3684, 0.2152, 0.2932



38.3684, 0.3901, 0.3063

Square

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



38.3684, 0.2152, 0.2932



38.3684, 0.2810, 0.2469



38.3684, 0.4211, 0.3492



38.3684, 0.3369, 0.4294

Rectangle

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



38.3684, 0.2152, 0.2932



38.3684, 0.2279, 0.2439



38.3684, 0.4211, 0.3492



38.3684, 0.4007, 0.4146

Sweetspot

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



38.3698, 0.2152, 0.2932



83.2401, 0.2696, 0.3196



44.2770, 0.2980, 0.5902



17.3827, 0.2639, 0.3181



0.0000, 0.0000, 0.0000



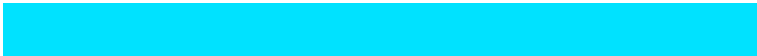
21.4041, 0.3127, 0.3290

Same Dimension

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



38.3698, 0.2152, 0.2932



61.3647, 0.2143, 0.2914



11.2274, 0.1704, 0.1311



12.4971, 0.2983, 0.3262



23.4882, 0.2146, 0.2925



1.2760, 0.2167, 0.3002

Inverse Universe

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



16.6907, 0.3514, 0.1721



26.7259, 0.3530, 0.1718



28.1402, 0.5075, 0.4328



11.3806, 0.3155, 0.3088



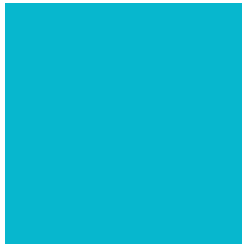
10.1741, 0.3521, 0.1713



0.5314, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 38.3684, 0.2152, 0.2932 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 38.3684, 0.2152, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

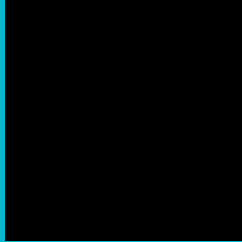
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3684, 0.2152, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 38.3684, 0.2152, 0.2932.



This preview shows how white text looks on a background with the Yxy color 38.3684, 0.2152, 0.2932.

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

38.3684, 0.2152, 0.2932

Protanopia

37.8748, 0.2853, 0.2890

Deuteranopia

37.8129, 0.2703, 0.2636

Trichromacy



Original Color

38.3684, 0.2152, 0.2932

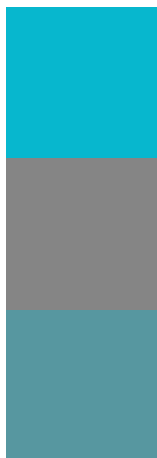
Protanomaly

36.1461, 0.2429, 0.2882

Deuteranomaly

36.2365, 0.2360, 0.2717

Monochromacy



Original Color

38.3684, 0.2152, 0.2932

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

26.6975, 0.2501, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3684, 0.2152, 0.2932 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(7, 183, 206)` looks like.

```
.text, #text, p{  
    color:rgb(7, 183, 206)  
}
```

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(7, 183, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 183, 206) }
```

Border

The CSS property to change the border of an element to Yxy 38.3684, 0.2152, 0.2932 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(7, 183, 206) }
```

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

```
.border{ border-color:rgb(7, 183, 206) }
```

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

Here you see how a box with a 4 pixel rgb(7, 183, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 183, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 183, 206);  
box-shadow:4px 4px 4px 4px rgb(7, 183,  
206) }
```

Background

The CSS property to change the background color of an element to Yxy 38.3684, 0.2152, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 183, 206) }
```

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

```
.background{ background-color: rgb(7, 183,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor