

Converting Colors

$Y_{xy}(37.8891, 0.2186, 0.3046)$

Have a look what the booklet for
Yxy(37.8891, 0.2186, 0.3046)
contains.

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Color

Yxy(38.0087, 0.2187, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	09B7C6
RGB	9, 183, 198
RGB Percent	4%, 72%, 78%
CMY	0.9632, 0.2823, 0.2235
CMYK	0.95, 0.08, 0.00, 0.22
HSL	185°, 91%, 41%
HSV	185°, 95%, 78%
XYZ	27.2452, 38.0087, 59.3240
YIQ	132.6840, -108.5190, -32.2230

Conversions

Conversions Part 2

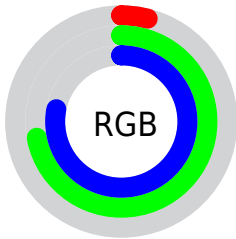
Format	Color
RYB	9, 100, 198
Decimal	636870
CIELab	68.03, -32.51, -18.48
CIELCh	68, 37.393, 209.611
Yxy	38.0087, 0.2187, 0.3051
Android (android.graphics.Color)	4278826950 (0xFF09B7C6)
YUV	132.6840, 32.2008, -108.4709
Hunter-Lab	61.6512, -29.0061, -13.8961

Details

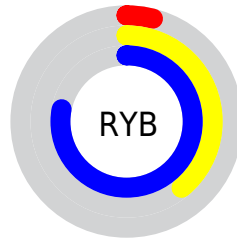
The Yxy color **38.0087, 0.2187, 0.3051** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.6944, 0.6256, 0.3355**, and the grayscale version is **23.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8961, 0.2353, 0.3097**, and **17.7141, 0.2157, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **37.6428, 0.2177, 0.3038**, and if you desaturate by 10%, it is **38.8660, 0.2215, 0.3078**.

Distribution



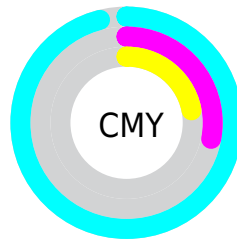
- Red (4%)
- Green (72%)
- Blue (78%)



- Red (4%)
- Yellow (39%)
- Blue (78%)



- Cyan (95%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)




- Cyan (96%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0087, 0.2187, 0.3051 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 38.0087, 0.2187, 0.3051 by changing the saturation by 10% instead.


 38.0087, 0.2187,
0.3051


 38.0087, 0.2187,
0.3051


 337.6573, 0.2655,
0.3190

 25.9894, 0.2073,
0.3010


 72.1215, 0.2355,
0.3106

 16.8157, 0.1928,
0.2954

 94.9838, 0.2419,
0.3125

 10.1032, 0.1740,
0.2874


 122.2292, 0.2473,
0.3141

 5.4674, 0.1488,
0.2752

 154.2422, 0.2520,
0.3154

 2.5241, 0.1142,
0.2549

 191.4071, 0.2560,
0.3165

 0.8886, 0.0132,
0.2299

234.1083, 0.2596,

 0.0000, 0.0000,

0.3175

0.0000

282.7302, 0.2627,
0.3183

■ 38.0087, 0.2187,
0.3051

■ 38.0087, 0.2187,
0.3051

■ 37.6428, 0.2177,
0.3038

■ 38.8660, 0.2215,
0.3078

■ 39.9145, 0.2260,
0.3105

■ 41.1864, 0.2324,
0.3132

■ 42.7068, 0.2407,
0.3159

■ 44.4976, 0.2507,
0.3185

■ 46.5779, 0.2625,
0.3211

■ 48.9653, 0.2755,
0.3235

■ 51.6760, 0.2897,
0.3258

■ 54.7248, 0.3046,
0.3280

Harmonies

Analogous

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



38.0087, 0.2476, 0.3612



38.0087, 0.2187, 0.3051



38.0087, 0.2130, 0.2632

Triad

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



38.0087, 0.2187, 0.3051



38.0087, 0.3230, 0.2631



38.0087, 0.3973, 0.4172

Complementary

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



38.0087, 0.2187, 0.3051



12.6944, 0.6256, 0.3355

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.



38.0087, 0.4228, 0.3819



38.0087, 0.2187, 0.3051



38.0087, 0.3786, 0.2967

Square

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



38.0087, 0.2187, 0.3051



38.0087, 0.2690, 0.2438



38.0087, 0.4165, 0.3386



38.0087, 0.3501, 0.4310

Rectangle

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



38.0087, 0.2187, 0.3051



38.0087, 0.2221, 0.2472



38.0087, 0.4165, 0.3386



38.0087, 0.4089, 0.4070

Sweetspot

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



38.0101, 0.2187, 0.3051



84.8787, 0.2699, 0.3225



40.5051, 0.2988, 0.5917



17.7827, 0.2643, 0.3215



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.



38.0101, 0.2187, 0.3051



66.4893, 0.2176, 0.3035



11.6396, 0.1744, 0.1444



11.9178, 0.2984, 0.3271



24.5394, 0.2178, 0.3042



1.2057, 0.2194, 0.3098

Inverse Universe

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



15.6285, 0.3408, 0.1668



27.2433, 0.3424, 0.1660



24.5777, 0.5137, 0.4264



10.8015, 0.3150, 0.3080



10.0173, 0.3417, 0.1656



0.4787, 0.3369, 0.1630

Previews

White Background



This preview shows how the Yxy color 38.0087, 0.2187, 0.3051 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 38.0087, 0.2187, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

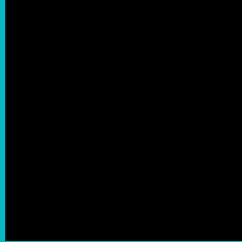
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0087, 0.2187, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 38.0087, 0.2187, 0.3051.

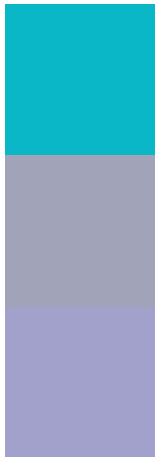


This preview shows how white text looks on a background with the Yxy color 38.0087, 0.2187, 0.3051.

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

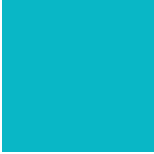
38.0023, 0.2187, 0.3051

Protanopia

37.2742, 0.2924, 0.2982

Deuteranopia

37.3786, 0.2784, 0.2722



Tritanopia

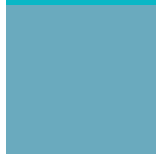
38.0023, 0.2187, 0.3051

Trichromacy



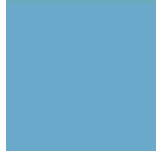
Original Color

38.0023, 0.2187, 0.3051



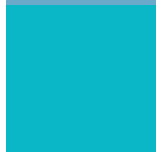
Protanomaly

35.5313, 0.2485, 0.2982



Deuteranomaly

35.6572, 0.2418, 0.2811



Tritanomaly

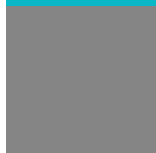
38.0023, 0.2187, 0.3051

Monochromacy



Original Color

38.0023, 0.2187, 0.3051



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.6422, 0.2529, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0087, 0.2187, 0.3051 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(9, 183, 198)` looks like.

```
.text, #text, p{  
    color:rgb(9, 183, 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(9, 183, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 183, 198) }
```

Border

The CSS property to change the border of an element to Yxy 38.0087, 0.2187, 0.3051 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(9, 183, 198) }
```

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

```
.border{ border-color:rgb(9, 183, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 183, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 183, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 183, 198);  
box-shadow:4px 4px 4px 4px rgb(9, 183,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0087, 0.2187, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 183, 198) }
```

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

```
.background{ background-color: rgb(9, 183,  
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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