

Converting Colors

$Y_{xy}(38.1129, 0.2690, 0.3180)$

Have a look what the booklet for
Yxy(38.1129, 0.2690, 0.3180)
contains.

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Color

Yxy(38.1203, 0.2692, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	7FAEB5
RGB	127, 174, 181
RGB Percent	50%, 68%, 71%
CMY	0.5019, 0.3176, 0.2902
CMYK	0.30, 0.04, 0.00, 0.29
HSL	188°, 27%, 60%
HSV	188°, 30%, 71%
XYZ	32.2299, 38.1203, 49.3744
YIQ	160.7450, -30.2590, -7.7870

Conversions

Conversions Part 2

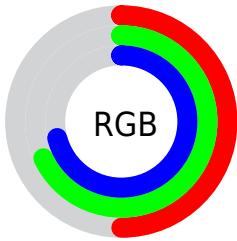
Format	Color
RYB	127, 152, 181
Decimal	8367797
CIELab	68.11, -13.87, -8.64
CIElCh	68, 16.343, 211.908
Yxy	38.1203, 0.2692, 0.3184
Android (android.graphics.Color)	4286557877 (0xFF7FAEB5)
YUV	160.7450, 9.9857, -29.5944
Hunter-Lab	61.7416, -14.8688, -4.1947

Details

The Yxy color **38.1203, 0.2692, 0.3184** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.4093, 0.3752, 0.3393**, and the grayscale version is **35.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5318, 0.2772, 0.3210**, and **16.9734, 0.2562, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **35.9558, 0.2563, 0.3143**, and if you desaturate by 10%, it is **40.5533, 0.2831, 0.3222**.

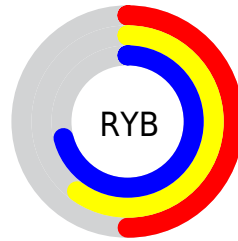
Distribution



Red (50%)

Green (68%)

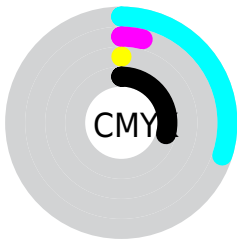
Blue (71%)



Red (50%)

Yellow (60%)

Blue (71%)

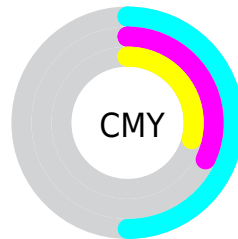


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (50%)


Magenta (32%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1203, 0.2692, 0.3184 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 38.1203, 0.2692, 0.3184 by changing the saturation by 10% instead.


 38.1203, 0.2692,
0.3184


 38.1203, 0.2692,
0.3184

338.1357, 0.2914,
0.3242

 26.0761, 0.2635,
0.3168


 72.2925, 0.2774,
0.3206

 16.8806, 0.2562,
0.3146


 95.1892, 0.2804,
0.3214

 10.1494, 0.2463,
0.3114


 122.4723, 0.2830,
0.3221

 5.4981, 0.2322,
0.3067

154.5260, 0.2851,
0.3227

 2.5424, 0.2108,
0.2986

191.7348, 0.2870,
0.3231

 0.8978, 0.1642,
0.2864

234.4831, 0.2887,

 0.0000, 0.0000,

0.3236

0.0000

283.1553, 0.2901,
0.3239

■ 38.1203, 0.2692,
0.3184

■ 38.1203, 0.2692,
0.3184

■ 35.9558, 0.2563,
0.3143

■ 40.5533, 0.2831,
0.3222

■ 34.0419, 0.2448,
0.3101

■ 43.2627, 0.2978,
0.3258

■ 32.3653, 0.2349,
0.3056

■ 46.2617, 0.3130,
0.3291

■ 30.9098, 0.2268,
0.3011

■ 49.5612, 0.3284,
0.3320

■ 29.6567, 0.2206,
0.2966

■ 53.1716, 0.3437,
0.3347

■ 28.5843, 0.2162,
0.2921

■ 57.1026, 0.3589,
0.3370

■ 27.6483, 0.2133,
0.2876

■ 61.3638, 0.3736,
0.3391

■ 27.6326, 0.2132,
0.2876

■ 62.6348, 0.3740,
0.3415

■ 63.6788, 0.3733,
0.3439

Harmonies

Analogous

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



38.1203, 0.2826, 0.3414



38.1203, 0.2692, 0.3184



38.1203, 0.2670, 0.2996

Triad

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



38.1203, 0.2692, 0.3184



38.1203, 0.3199, 0.2994



38.1203, 0.3495, 0.3694

Complementary

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



38.1203, 0.2692, 0.3184



28.4093, 0.3752, 0.3393

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.



38.1203, 0.3606, 0.3562



38.1203, 0.2692, 0.3184



38.1203, 0.3431, 0.3163

Square

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



38.1203, 0.2692, 0.3184



38.1203, 0.2955, 0.2897



38.1203, 0.3583, 0.3368



38.1203, 0.3287, 0.3718

Rectangle

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



38.1203, 0.2692, 0.3184



38.1203, 0.2720, 0.2917



38.1203, 0.3583, 0.3368



38.1203, 0.3545, 0.3660

Sweetspot

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



38.1218, 0.2692, 0.3184



77.8302, 0.2988, 0.3260



39.2626, 0.3041, 0.4043



16.6634, 0.2967, 0.3255



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.



38.1218, 0.2692, 0.3184



65.5975, 0.2604, 0.3157



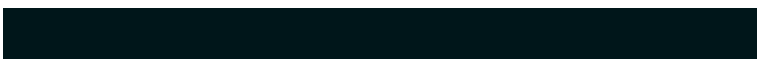
28.9372, 0.2647, 0.2771



9.4399, 0.2986, 0.3260



19.1210, 0.2134, 0.2881



0.6537, 0.2168, 0.3006

Inverse Universe

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



28.0616, 0.3235, 0.2647



44.8158, 0.3264, 0.2502



36.6036, 0.3646, 0.3758



8.6274, 0.3157, 0.3094



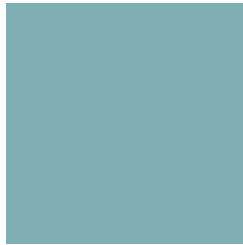
8.4704, 0.3560, 0.1735



0.2718, 0.3449, 0.1674

Previews

White Background



This preview shows how the Yxy color 38.1203, 0.2692, 0.3184 looks on a white background.

Color Contrast Check

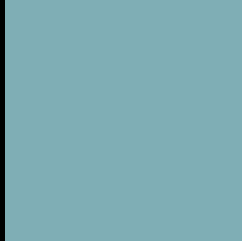
Large Text (above 18pt) WCAG AA × Fail

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 38.1203, 0.2692, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

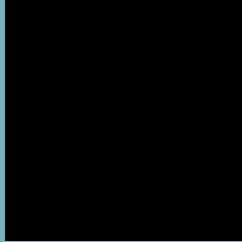
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1203, 0.2692, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 38.1203, 0.2692, 0.3184.



This preview shows how white text looks on a background with the Yxy color 38.1203, 0.2692, 0.3184.

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

38.1203, 0.2692, 0.3184

Protanopia

37.7531, 0.3051, 0.3136

Deuteranopia

37.8347, 0.3040, 0.2977



Tritanopia

38.0642, 0.2657, 0.3082

Trichromacy



Original Color

38.1203, 0.2692, 0.3184

Protanomaly

37.8550, 0.2912, 0.3160

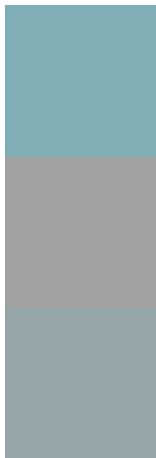
Deuteranomaly

37.7593, 0.2898, 0.3049

Tritanomaly

37.9791, 0.2670, 0.3111

Monochromacy



Original Color

38.1203, 0.2692, 0.3184

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4892, 0.2957, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1203, 0.2692, 0.3184 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(127, 174, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 174, 181)  
}
```

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(127, 174, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 174, 181) }
```

Border

The CSS property to change the border of an element to Yxy 38.1203, 0.2692, 0.3184 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(127, 174, 181) }
```

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

```
.border{ border-color:rgb(127, 174, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 174, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 174, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 174, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 174,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1203, 0.2692, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 174, 181) }
```

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

```
.background{ background-color: rgb(127,  
174, 181) }
```

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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