

Converting Colors

$Y_{xy}(38.2404, 0.2895, 0.3675)$

Have a look what the booklet for
Yxy(38.2404, 0.2895, 0.3675)
contains.

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Color

Yxy(38.1469, 0.2894, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	7EB198
RGB	126, 177, 152
RGB Percent	49%, 69%, 60%
CMY	0.5060, 0.3058, 0.4039
CMYK	0.29, 0.00, 0.14, 0.31
HSL	151°, 25%, 59%
HSV	151°, 29%, 69%
XYZ	29.9911, 38.1469, 35.4939
YIQ	158.9010, -22.3710, -18.5870

Conversions

Conversions Part 2

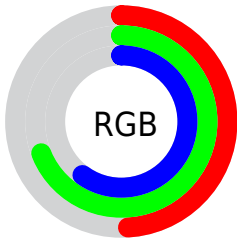
Format	Color
RYB	126, 160, 177
Decimal	8303000
CIELab	68.13, -22.23, 7.40
CIELCh	68, 23.426, 161.575
Yxy	38.1469, 0.2894, 0.3681
Android (android.graphics.Color)	4286493080 (0xFF7EB198)
YUV	158.9010, -3.4022, -28.8542
Hunter-Lab	61.7632, -21.4092, 9.1616

Details

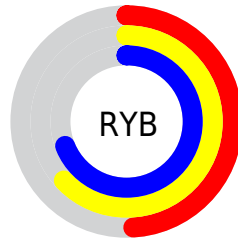
The Yxy color **38.1469, 0.2894, 0.3681** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4949, 0.3448, 0.2931**, and the grayscale version is **34.6451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4374, 0.2943, 0.3607**, and **16.8507, 0.2818, 0.3811** is the 20% darker color. If you saturate the color by 10%, you get **36.6464, 0.2824, 0.3843**, and if you desaturate by 10%, it is **39.9094, 0.2971, 0.3532**.

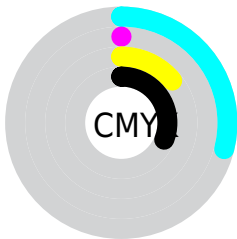
Distribution



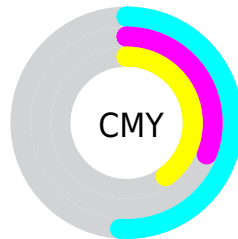
- Red (49%)
- Green (69%)
- Blue (60%)



- Red (49%)
- Yellow (63%)
- Blue (69%)



- Cyan (29%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)




- Cyan (51%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1469, 0.2894, 0.3681 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 38.1469, 0.2894, 0.3681 by changing the saturation by 10% instead.

 38.1469, 0.2894,
0.3681


 38.1469, 0.2894,
0.3681


338.2497, 0.3017,
0.3474

 26.0967, 0.2861,
0.3737


 72.3332, 0.2940,
0.3603

 16.8960, 0.2817,
0.3812


 95.2382, 0.2957,
0.3574

 10.1604, 0.2757,
0.3916

 122.5302, 0.2971,
0.3550

 5.5054, 0.2666,
0.4072

154.5936, 0.2983,
0.3530

 2.5468, 0.2519,
0.4331

191.8129, 0.2993,
0.3513

 0.9000, 0.1867,
0.5373

234.5724, 0.3002,

 0.0000, 0.0000,

0.3498

0.0000

283.2566, 0.3010,
0.3485

■ 38.1469, 0.2894,
0.3681

■ 38.1469, 0.2894,
0.3681

■ 36.6464, 0.2824,
0.3843

■ 39.9094, 0.2971,
0.3532

■ 35.3902, 0.2764,
0.4018

■ 41.9411, 0.3053,
0.3397

■ 34.3656, 0.2717,
0.4201

■ 44.2551, 0.3137,
0.3277

■ 33.5571, 0.2687,
0.4391

■ 46.8618, 0.3221,
0.3169

■ 32.9469, 0.2676,
0.4581

■ 49.7714, 0.3304,
0.3075

■ 32.5143, 0.2685,
0.4768

■ 52.9934, 0.3384,
0.2991

■ 32.2223, 0.2710,
0.4947

■ 56.5370, 0.3462,
0.2918

■ 32.1916, 0.2713,
0.4967

■ 57.9474, 0.3432,
0.2838

■ 58.4224, 0.3360,
0.2755

Harmonies

Analogous

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



38.1469, 0.3239, 0.3886



38.1469, 0.2894, 0.3681



38.1469, 0.2622, 0.3356

Triad

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



38.1469, 0.2894, 0.3681



38.1469, 0.2685, 0.2718



38.1469, 0.3816, 0.3484

Complementary

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



38.1469, 0.2894, 0.3681



26.4949, 0.3448, 0.2931

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.



38.1469, 0.3652, 0.3196



38.1469, 0.2894, 0.3681



38.1469, 0.2985, 0.2769

Square

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



38.1469, 0.2894, 0.3681



38.1469, 0.2507, 0.2806



38.1469, 0.3341, 0.2941



38.1469, 0.3781, 0.3744

Rectangle

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



38.1469, 0.2894, 0.3681



38.1469, 0.2513, 0.3134



38.1469, 0.3341, 0.2941



38.1469, 0.3782, 0.3388

Sweetspot

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



38.1485, 0.2894, 0.3681



74.9832, 0.3050, 0.3401



39.5795, 0.3314, 0.4056



16.1316, 0.3039, 0.3420



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.1485, 0.2894, 0.3681



66.4467, 0.2846, 0.3789



39.0557, 0.2717, 0.3289



9.5601, 0.3049, 0.3404



23.3336, 0.2708, 0.4948



0.7459, 0.2567, 0.4441

Inverse Universe

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



26.4949, 0.3448, 0.2931



41.9435, 0.3551, 0.2843



25.7673, 0.3750, 0.3292



8.5723, 0.3213, 0.3179



7.2792, 0.4972, 0.2513



0.2408, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 38.1469, 0.2894, 0.3681 looks on a white background.

Color Contrast Check

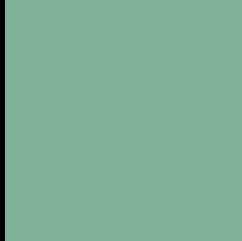
Large Text (above 18pt) WCAG AA × Fail

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 38.1469, 0.2894, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

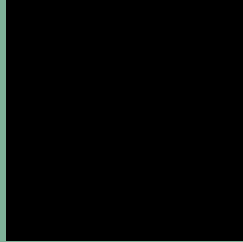
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1469, 0.2894, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 38.1469, 0.2894, 0.3681.



This preview shows how white text looks on a background with the Yxy color 38.1469, 0.2894, 0.3681.

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

38.1469, 0.2894, 0.3681

Protanopia

37.8698, 0.3373, 0.3561

Deuteranopia

37.8562, 0.3409, 0.3345



Tritanopia

38.0368, 0.2698, 0.3083

Trichromacy



Original Color

38.1469, 0.2894, 0.3681

Protanomaly

37.5820, 0.3186, 0.3602

Deuteranomaly

37.5315, 0.3204, 0.3449

Tritanomaly

38.0739, 0.2763, 0.3289

Monochromacy



Original Color

38.1469, 0.2894, 0.3681

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8758, 0.3038, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1469, 0.2894, 0.3681 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(126, 177, 152)` looks like.

```
.text, #text, p{  
    color:rgb(126, 177, 152)  
}
```

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(126, 177, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 177, 152) }
```

Border

The CSS property to change the border of an element to Yxy 38.1469, 0.2894, 0.3681 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(126, 177, 152) }
```

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

```
.border{ border-color:rgb(126, 177, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 177, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 177, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 177, 152);  
box-shadow:4px 4px 4px 4px rgb(126, 177,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1469, 0.2894, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 177, 152) }
```

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

```
.background{ background-color: rgb(126,  
177, 152) }
```

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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