

Converting Colors

$Y_{xy}(38.4738, 0.2787, 0.3339)$

Have a look what the booklet for
Yxy(38.4738, 0.2787, 0.3339)
contains.

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Color

Yxy(38.4638, 0.2786, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	83AFAC
RGB	131, 175, 172
RGB Percent	51%, 69%, 67%
CMY	0.4861, 0.3137, 0.3255
CMYK	0.25, 0.00, 0.02, 0.31
HSL	176°, 22%, 60%
HSV	176°, 25%, 69%
XYZ	32.1416, 38.4638, 44.7629
YIQ	161.5020, -25.2610, -10.2610

Conversions

Conversions Part 2

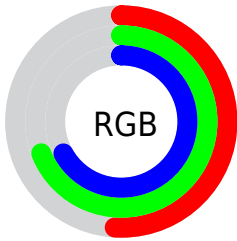
Format	Color
RYB	131, 154, 175
Decimal	8630188
CIELab	68.36, -15.28, -3.26
CIELCh	68, 15.622, 192.056
Yxy	38.4638, 0.2786, 0.3334
Android (android.graphics.Color)	4286820268 (0xFF83AFAC)
YUV	161.5020, 5.1755, -26.7503
Hunter-Lab	62.0192, -16.0255, 0.6203

Details

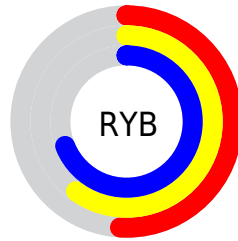
The Yxy color **38.4638, 0.2786, 0.3334** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.0796, 0.3610, 0.3247**, and the grayscale version is **35.8753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0122, 0.2852, 0.3335**, and **16.9806, 0.2680, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **37.1380, 0.2668, 0.3354**, and if you desaturate by 10%, it is **40.0292, 0.2916, 0.3315**.

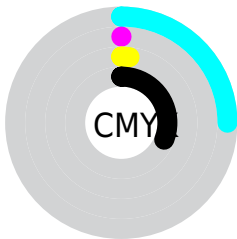
Distribution



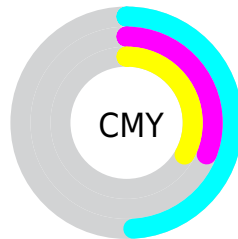
- Red (51%)
- Green (69%)
- Blue (67%)



- Red (51%)
- Yellow (60%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)





- Cyan (49%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4638, 0.2786, 0.3334 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 38.4638, 0.2786, 0.3334 by changing the saturation by 10% instead.


 38.4638, 0.2786,
0.3334


 38.4638, 0.2786,
0.3334


339.6054, 0.2961,
0.3313

 26.3429, 0.2741,
0.3339


 72.8185, 0.2851,
0.3327

 17.0803, 0.2682,
0.3345


 95.8210, 0.2874,
0.3324

 10.2918, 0.2603,
0.3352


 123.2195, 0.2895,
0.3321

 5.5928, 0.2489,
0.3362

155.3983, 0.2912,
0.3319

 2.5991, 0.2313,
0.3373

192.7420, 0.2927,
0.3317

 0.9262, 0.1880,
0.3436

235.6347, 0.2939,

 0.0000, 0.0000,

0.3316

0.0000

284.4611, 0.2951,
0.3314

■ 38.4638, 0.2786,
0.3334

■ 38.4638, 0.2786,
0.3334

■ 37.1380, 0.2668,
0.3354

■ 40.0292, 0.2916,
0.3315

■ 36.0352, 0.2564,
0.3375

■ 41.8404, 0.3054,
0.3298

■ 35.1441, 0.2477,
0.3397

■ 43.9094, 0.3198,
0.3283

■ 34.4506, 0.2407,
0.3419

■ 46.2459, 0.3346,
0.3269

■ 33.9386, 0.2356,
0.3442

■ 48.8592, 0.3494,
0.3256

■ 33.5899, 0.2324,
0.3464

■ 51.7580, 0.3642,
0.3245

■ 33.3818, 0.2309,
0.3487

■ 54.9507, 0.3786,
0.3236

■ 33.3057, 0.2305,
0.3498

■ 55.2755, 0.3788,
0.3223

■ 55.3247, 0.3777,
0.3211

Harmonies

Analogous

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



38.4638, 0.2971, 0.3542



38.4638, 0.2786, 0.3334



38.4638, 0.2692, 0.3122

Triad

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



38.4638, 0.2786, 0.3334



38.4638, 0.3039, 0.2936



38.4638, 0.3561, 0.3601

Complementary

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



38.4638, 0.2786, 0.3334



27.0796, 0.3610, 0.3247

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.



38.4638, 0.3583, 0.3431



38.4638, 0.2786, 0.3334



38.4638, 0.3275, 0.3056

Square

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



38.4638, 0.2786, 0.3334



38.4638, 0.2834, 0.2902



38.4638, 0.3477, 0.3234



38.4638, 0.3419, 0.3696

Rectangle

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



38.4638, 0.2786, 0.3334



38.4638, 0.2691, 0.3009



38.4638, 0.3477, 0.3234



38.4638, 0.3583, 0.3551

Sweetspot

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



38.4654, 0.2786, 0.3334



73.9115, 0.3011, 0.3303



37.4242, 0.3126, 0.3983



16.3186, 0.2991, 0.3306



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.



38.4654, 0.2786, 0.3334



67.5592, 0.2721, 0.3345



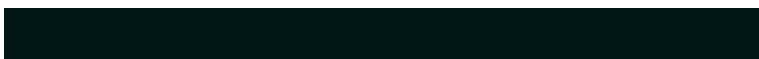
31.9299, 0.2740, 0.3006



9.0626, 0.2995, 0.3305



23.8567, 0.2304, 0.3495



0.6664, 0.2285, 0.3427

Inverse Universe

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



27.0796, 0.3610, 0.3247



43.7347, 0.3753, 0.3238



32.3610, 0.3582, 0.3558



8.0239, 0.3276, 0.3275



6.5492, 0.6310, 0.3250



0.1850, 0.5941, 0.3046

Previews

White Background



This preview shows how the Yxy color 38.4638, 0.2786, 0.3334 looks on a white background.

Color Contrast Check

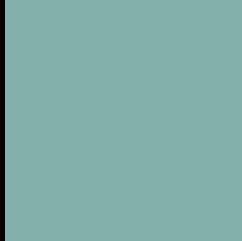
Large Text (above 18pt) WCAG AA × Fail

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 38.4638, 0.2786, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

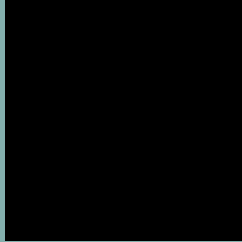
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4638, 0.2786, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 38.4638, 0.2786, 0.3334.

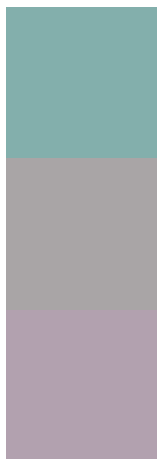


This preview shows how white text looks on a background with the Yxy color 38.4638, 0.2786, 0.3334.

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

38.4638, 0.2786, 0.3334

Protanopia

38.0985, 0.3156, 0.3276

Deuteranopia

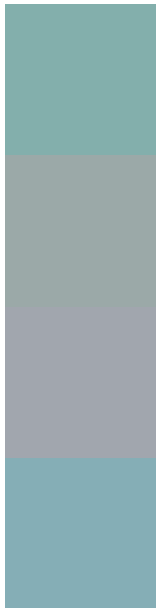
38.0499, 0.3164, 0.3100



Tritanopia

38.5433, 0.2700, 0.3084

Trichromacy



Original Color

38.4638, 0.2786, 0.3334

Protanomaly

38.1716, 0.3010, 0.3304

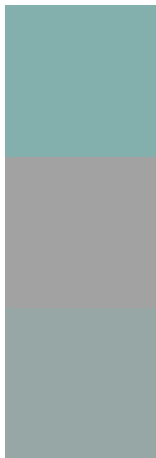
Deuteranomaly

37.9055, 0.3014, 0.3176

Tritanomaly

38.6360, 0.2729, 0.3171

Monochromacy



Original Color

38.4638, 0.2786, 0.3334

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.9699, 0.2991, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4638, 0.2786, 0.3334 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(131, 175, 172)` looks like.

```
.text, #text, p{  
    color:rgb(131, 175, 172)  
}
```

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(131, 175, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 175, 172) }
```

Border

The CSS property to change the border of an element to Yxy 38.4638, 0.2786, 0.3334 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(131, 175, 172) }
```

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

```
.border{ border-color:rgb(131, 175, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 175, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 175, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 175, 172);  
box-shadow:4px 4px 4px 4px rgb(131, 175,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4638, 0.2786, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 175, 172) }
```

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

```
.background{ background-color: rgb(131,  
175, 172) }
```

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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