

Converting Colors

$Y_{xy}(40.0379, 0.2829, 0.3451)$

Have a look what the booklet for
Yxy(40.0379, 0.2829, 0.3451)
contains.

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Color

Yxy(40.0539, 0.2834, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	85B3A8
RGB	133, 179, 168
RGB Percent	52%, 70%, 66%
CMY	0.4783, 0.2980, 0.3412
CMYK	0.26, 0.00, 0.06, 0.30
HSL	166°, 23%, 61%
HSV	166°, 26%, 70%
XYZ	32.8641, 40.0539, 43.0458
YIQ	163.9920, -23.8850, -13.1730

Conversions

Conversions Part 2

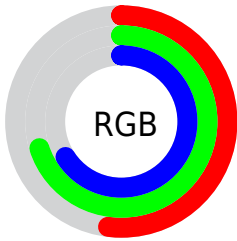
Format	Color
RYB	133, 159, 179
Decimal	8762280
CIELab	69.51, -17.63, 0.64
CIELCh	70, 17.641, 177.919
Yxy	40.0539, 0.2834, 0.3454
Android (android.graphics.Color)	4286952360 (0xFF85B3A8)
YUV	163.9920, 1.9759, -27.1800
Hunter-Lab	63.2882, -18.0631, 3.9753

Details

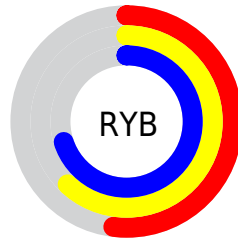
The Yxy color $40.0539, 0.2834, 0.3454$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $28.3807, 0.3535, 0.3133$, and the grayscale version is $37.1227, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3092, 0.2890, 0.3426$, and $17.9765, 0.2746, 0.3503$ is the 20% darker color. If you saturate the color by 10%, you get $38.5633, 0.2734, 0.3528$, and if you desaturate by 10%, it is $41.8014, 0.2943, 0.3386$.

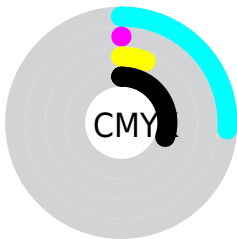
Distribution



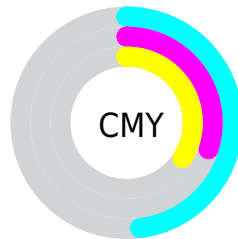
- Red (52%)
- Green (70%)
- Blue (66%)



- Red (52%)
- Yellow (62%)
- Blue (70%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)





- Cyan (48%)
- Magenta (30%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0539, 0.2834, 0.3454 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 40.0539, 0.2834, 0.3454 by changing the saturation by 10% instead.

 40.0539, 0.2834,
0.3454


 40.0539, 0.2834,
0.3454


346.3507, 0.2984,
0.3370


 27.5806, 0.2795,
0.3476


 75.2456, 0.2889,
0.3423

 18.0097, 0.2745,
0.3504


 98.7327, 0.2910,
0.3411

 10.9570, 0.2677,
0.3543


 126.6599, 0.2927,
0.3402

 6.0379, 0.2578,
0.3599

159.4116, 0.2942,
0.3393

 2.8681, 0.2426,
0.3685

197.3721, 0.2955,
0.3386

 1.0633, 0.2080,
0.3879

240.9259, 0.2966,

 0.0000, 0.0000,

0.3380

0.0000

290.4573, 0.2976,
0.3375

■ 40.0539, 0.2834,
0.3454

■ 40.0539, 0.2834,
0.3454

■ 38.5633, 0.2734,
0.3528

■ 41.8014, 0.2943,
0.3386

■ 37.3119, 0.2646,
0.3607

■ 43.8125, 0.3059,
0.3323

■ 36.2877, 0.2573,
0.3690

■ 46.0998, 0.3179,
0.3266

■ 35.4756, 0.2517,
0.3776

■ 48.6739, 0.3301,
0.3216

■ 34.8585, 0.2480,
0.3864

■ 51.5444, 0.3422,
0.3171

■ 34.4167, 0.2462,
0.3952

■ 54.7207, 0.3542,
0.3131

■ 34.1253, 0.2463,
0.4039

■ 57.5753, 0.3630,
0.3094

■ 34.0222, 0.2466,
0.4077

■ 57.7756, 0.3592,
0.3050

■ 57.9816, 0.3555,
0.3006

Harmonies

Analogous

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



40.0539, 0.3071, 0.3658



40.0539, 0.2834, 0.3454



40.0539, 0.2678, 0.3208

Triad

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



40.0539, 0.2834, 0.3454



40.0539, 0.2912, 0.2867



40.0539, 0.3641, 0.3553

Complementary

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



40.0539, 0.2834, 0.3454



28.3807, 0.3535, 0.3133

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.



40.0539, 0.3597, 0.3342



40.0539, 0.2834, 0.3454



40.0539, 0.3168, 0.2958

Square

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



40.0539, 0.2834, 0.3454



40.0539, 0.2722, 0.2879



40.0539, 0.3421, 0.3128



40.0539, 0.3541, 0.3706

Rectangle

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



40.0539, 0.2834, 0.3454



40.0539, 0.2638, 0.3061



40.0539, 0.3421, 0.3128



40.0539, 0.3643, 0.3486

Sweetspot

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



40.0555, 0.2834, 0.3454



77.5401, 0.3030, 0.3338



39.9100, 0.3192, 0.3988



17.0567, 0.3013, 0.3347



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.



40.0555, 0.2834, 0.3454



70.1251, 0.2774, 0.3497



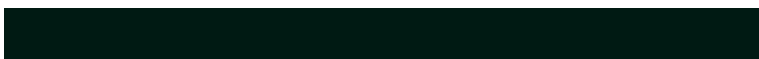
36.0666, 0.2741, 0.3116



9.5961, 0.3017, 0.3345



24.0529, 0.2463, 0.4067



0.7652, 0.2396, 0.3824

Inverse Universe

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



28.3807, 0.3535, 0.3133



45.5326, 0.3661, 0.3095



31.3824, 0.3621, 0.3457



8.5375, 0.3251, 0.3236



6.9033, 0.5929, 0.3040



0.2265, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 40.0539, 0.2834, 0.3454 looks on a white background.

Color Contrast Check

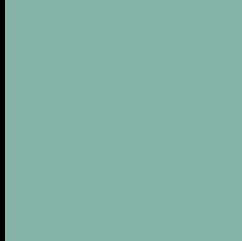
Large Text (above 18pt) WCAG AA × Fail

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 40.0539, 0.2834, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

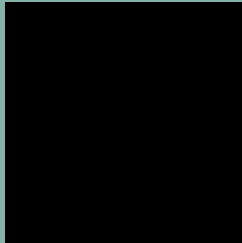
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0539, 0.2834, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 40.0539, 0.2834, 0.3454.

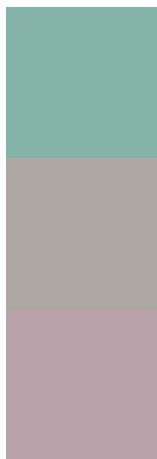


This preview shows how white text looks on a background with the Yxy color 40.0539, 0.2834, 0.3454.

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

40.0539, 0.2834, 0.3454

Protanopia

39.6126, 0.3235, 0.3374

Deuteranopia

39.8055, 0.3264, 0.3197



Tritanopia

40.1716, 0.2714, 0.3088

Trichromacy



Original Color

40.0539, 0.2834, 0.3454

Protanomaly

39.5563, 0.3077, 0.3405

Deuteranomaly

39.3852, 0.3092, 0.3276

Tritanomaly

40.0559, 0.2755, 0.3216

Monochromacy



Original Color

40.0539, 0.2834, 0.3454

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.8649, 0.3017, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0539, 0.2834, 0.3454 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(133, 179, 168)` looks like.

```
.text, #text, p{  
    color:rgb(133, 179, 168)  
}
```

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(133, 179, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 179, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.0539, 0.2834, 0.3454 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(133, 179, 168) }
```

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

```
.border{ border-color:rgb(133, 179, 168) }
```

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

Here you see how a box with a 4 pixel rgb(133, 179, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 179, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 179, 168);  
box-shadow:4px 4px 4px 4px rgb(133, 179,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0539, 0.2834, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 179, 168) }
```

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

```
.background{ background-color: rgb(133,  
179, 168) }
```

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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