

Converting Colors

$Y_{xy}(40.3631, 0.2834, 0.3555)$

Have a look what the booklet for
Yxy(40.3631, 0.2834, 0.3555)
contains.

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Color

Yxy(40.3952, 0.2834, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	81B5A4
RGB	129, 181, 164
RGB Percent	51%, 71%, 64%
CMY	0.4942, 0.2902, 0.3569
CMYK	0.29, 0.00, 0.09, 0.29
HSL	160°, 26%, 61%
HSV	160°, 29%, 71%
XYZ	32.2752, 40.3952, 41.2152
YIQ	163.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

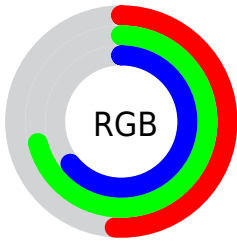
Format	Color
RYB	129, 160, 181
Decimal	8500644
CIELab	69.75, -20.78, 3.17
CIElCh	70, 21.023, 171.330
Yxy	40.3952, 0.2834, 0.3547
Android (android.graphics.Color)	4286690724 (0xFF81B5A4)
YUV	163.5140, 0.2396, -30.2688
Hunter-Lab	63.5572, -20.5806, 6.0421

Details

The Yxy color **40.3952, 0.2834, 0.3547** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.5953, 0.3546, 0.3049**, and the grayscale version is **36.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7501, 0.2889, 0.3496**, and **18.2279, 0.2750, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **38.8941, 0.2746, 0.3652**, and if you desaturate by 10%, it is **42.1607, 0.2931, 0.3450**.

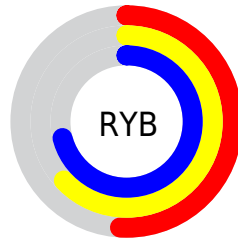
Distribution



Red (51%)

Green (71%)

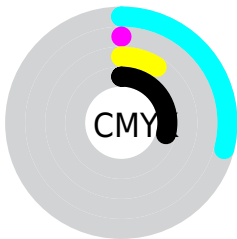
Blue (64%)



Red (51%)

Yellow (63%)

Blue (71%)

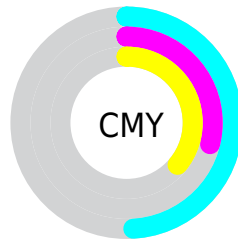


Cyan (29%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3952, 0.2834, 0.3547 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 40.3952, 0.2834, 0.3547 by changing the saturation by 10% instead.


 40.3952, 0.2834,
0.3547


 40.3952, 0.2834,
0.3547


347.7865, 0.2985,
0.3414

 27.8468, 0.2795,
0.3582

 75.7649, 0.2890,
0.3497

 18.2102, 0.2744,
0.3628


 99.3551, 0.2910,
0.3479

 11.1010, 0.2674,
0.3691


 127.3946, 0.2928,
0.3464

 6.1348, 0.2574,
0.3783

160.2678, 0.2943,
0.3451

 2.9272, 0.2418,
0.3930

198.3593, 0.2955,
0.3440

 1.0939, 0.2021,
0.4263

242.0533, 0.2966,

 0.0000, 0.0000,

0.3430

0.0000

291.7342, 0.2976,
0.3421

■ 40.3952, 0.2834,
0.3547

■ 40.3952, 0.2834,
0.3547

■ 38.8941, 0.2746,
0.3652

■ 42.1607, 0.2931,
0.3450

■ 37.6389, 0.2671,
0.3765

■ 44.1980, 0.3034,
0.3361

■ 36.6168, 0.2610,
0.3883

■ 46.5203, 0.3141,
0.3280

■ 35.8115, 0.2567,
0.4006

■ 49.1385, 0.3249,
0.3209

■ 35.2047, 0.2543,
0.4130

■ 52.0631, 0.3357,
0.3145

■ 34.7750, 0.2539,
0.4255

■ 55.3037, 0.3463,
0.3088

■ 34.4849, 0.2552,
0.4377

■ 58.7395, 0.3561,
0.3039

■ 34.4517, 0.2554,
0.4393

■ 59.0316, 0.3510,
0.2979

■ 59.3346, 0.3460,
0.2920

Harmonies

Analogous

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



40.3952, 0.3126, 0.3769



40.3952, 0.2834, 0.3547



40.3952, 0.2626, 0.3253

Triad

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



40.3952, 0.2834, 0.3547



40.3952, 0.2814, 0.2784



40.3952, 0.3742, 0.3546

Complementary

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



40.3952, 0.2834, 0.3547



27.5953, 0.3546, 0.3049

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.



40.3952, 0.3653, 0.3291



40.3952, 0.2834, 0.3547



40.3952, 0.3104, 0.2867

Square

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



40.3952, 0.2834, 0.3547



40.3952, 0.2615, 0.2823



40.3952, 0.3414, 0.3048



40.3952, 0.3657, 0.3751

Rectangle

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



40.3952, 0.2834, 0.3547



40.3952, 0.2558, 0.3068



40.3952, 0.3414, 0.3048



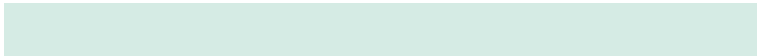
40.3952, 0.3732, 0.3463

Sweetspot

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



40.3969, 0.2834, 0.3547



78.9913, 0.3030, 0.3364



40.7762, 0.3237, 0.4074



16.9536, 0.3015, 0.3376



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.



40.3969, 0.2834, 0.3547



70.7198, 0.2782, 0.3608



37.6356, 0.2704, 0.3159



9.5833, 0.3028, 0.3366



23.7611, 0.2549, 0.4377



0.7578, 0.2454, 0.4036

Inverse Universe

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



27.5953, 0.3546, 0.3049



44.3151, 0.3663, 0.2997



29.4864, 0.3714, 0.3416



8.5496, 0.3237, 0.3216



7.0029, 0.5628, 0.2874



0.2314, 0.4830, 0.2435

Previews

White Background



This preview shows how the Yxy color 40.3952, 0.2834, 0.3547 looks on a white background.

Color Contrast Check

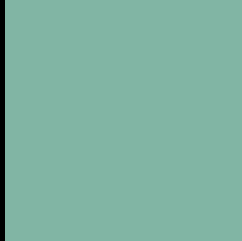
Large Text (above 18pt) WCAG AA × Fail

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 40.3952, 0.2834, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

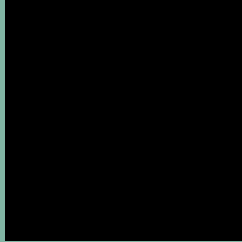
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3952, 0.2834, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 40.3952, 0.2834, 0.3547.



This preview shows how white text looks on a background with the Yxy color 40.3952, 0.2834, 0.3547.

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

40.3952, 0.2834, 0.3547

Protanopia

40.0747, 0.3287, 0.3443

Deuteranopia

39.9057, 0.3319, 0.3251



Tritanopia

40.3568, 0.2687, 0.3088

Trichromacy



Original Color

40.3952, 0.2834, 0.3547

Protanomaly

39.7961, 0.3109, 0.3477

Deuteranomaly

39.6096, 0.3125, 0.3346

Tritanomaly

40.1635, 0.2742, 0.3245

Monochromacy



Original Color

40.3952, 0.2834, 0.3547

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0091, 0.3007, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3952, 0.2834, 0.3547 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(129, 181, 164)` looks like.

```
.text, #text, p{  
    color:rgb(129, 181, 164)  
}
```

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(129, 181, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 181, 164) }
```

Border

The CSS property to change the border of an element to Yxy 40.3952, 0.2834, 0.3547 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(129, 181, 164) }
```

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

```
.border{ border-color:rgb(129, 181, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 181, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 181, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 181, 164);  
box-shadow:4px 4px 4px 4px rgb(129, 181,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3952, 0.2834, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 181, 164) }
```

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

```
.background{ background-color: rgb(129,  
181, 164) }
```

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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