

Converting Colors

$Y_{xy}(39.1393, 0.2854, 0.3617)$

Have a look what the booklet for
Yxy(39.1393, 0.2854, 0.3617)
contains.

Yxy(39.1444, 0.2852, 0.3614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.1444, 0.2852, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	7EB39E
RGB	126, 179, 158
RGB Percent	49%, 70%, 62%
CMY	0.5061, 0.2980, 0.3804
CMYK	0.30, 0.00, 0.12, 0.30
HSL	156°, 26%, 60%
HSV	156°, 30%, 70%
XYZ	30.8909, 39.1444, 38.2779
YIQ	160.7590, -24.8470, -17.7670

Conversions

Conversions Part 2

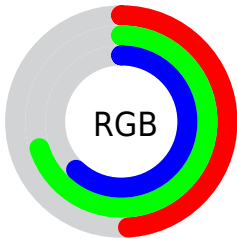
Format	Color
RYB	126, 159, 179
Decimal	8303518
CIELab	68.86, -21.99, 5.15
CIELCh	69, 22.583, 166.820
Yxy	39.1444, 0.2852, 0.3614
Android (android.graphics.Color)	4286493598 (0xFF7EB39E)
YUV	160.7590, -1.3602, -30.4836
Hunter-Lab	62.5655, -21.3574, 7.5219

Details

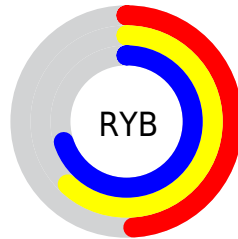
The Yxy color **39.1444, 0.2852, 0.3614** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.6002, 0.3519, 0.2989**, and the grayscale version is **35.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9241, 0.2904, 0.3546**, and **17.4791, 0.2764, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **37.6683, 0.2772, 0.3744**, and if you desaturate by 10%, it is **40.8813, 0.2940, 0.3494**.

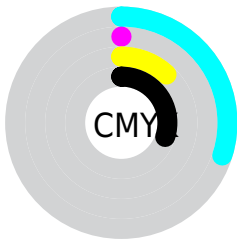
Distribution



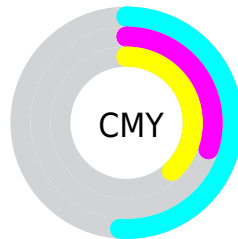
- Red (49%)
- Green (70%)
- Blue (62%)



- Red (49%)
- Yellow (62%)
- Blue (70%)



- Cyan (30%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)



- Cyan (51%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1444, 0.2852, 0.3614 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 39.1444, 0.2852, 0.3614 by changing the saturation by 10% instead.

 39.1444, 0.2852,
0.3614


 39.1444, 0.2852,
0.3614


342.5040, 0.2995,
0.3444


 26.8721, 0.2814,
0.3659


 73.8589, 0.2905,
0.3550

 17.4772, 0.2765,
0.3719


 97.0698, 0.2925,
0.3527

 10.5753, 0.2697,
0.3803


 124.6957, 0.2941,
0.3507

 5.7820, 0.2598,
0.3926

157.1210, 0.2955,
0.3491

 2.7130, 0.2440,
0.4126

194.7301, 0.2967,
0.3477

 0.9838, 0.1894,
0.4715

237.9074, 0.2978,

 0.0000, 0.0000,

0.3464

0.0000

287.0372, 0.2987,
0.3453

■ 39.1444, 0.2852,
0.3614

■ 39.1444, 0.2852,
0.3614

■ 37.6683, 0.2772,
0.3744

■ 40.8813, 0.2940,
0.3494

■ 36.4348, 0.2705,
0.3883

■ 42.8864, 0.3034,
0.3385

■ 35.4313, 0.2651,
0.4030

■ 45.1727, 0.3131,
0.3287

■ 34.6416, 0.2615,
0.4181

■ 47.7511, 0.3229,
0.3199

■ 34.0476, 0.2599,
0.4334

■ 50.6318, 0.3326,
0.3121

■ 33.6280, 0.2602,
0.4486

■ 53.8243, 0.3421,
0.3052

■ 33.3405, 0.2621,
0.4634

■ 57.3381, 0.3514,
0.2992

■ 33.3309, 0.2622,
0.4640

■ 58.3960, 0.3485,
0.2925

■ 58.7676, 0.3425,
0.2855

Harmonies

Analogous

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



39.1444, 0.3176, 0.3836



39.1444, 0.2852, 0.3614



39.1444, 0.2610, 0.3297

Triad

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



39.1444, 0.2852, 0.3614



39.1444, 0.2747, 0.2741



39.1444, 0.3793, 0.3525

Complementary

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



39.1444, 0.2852, 0.3614



26.6002, 0.3519, 0.2989

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.



39.1444, 0.3668, 0.3248



39.1444, 0.2852, 0.3614



39.1444, 0.3050, 0.2812

Square

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



39.1444, 0.2852, 0.3614



39.1444, 0.2553, 0.2803



39.1444, 0.3390, 0.2994



39.1444, 0.3727, 0.3761

Rectangle

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



39.1444, 0.2852, 0.3614



39.1444, 0.2523, 0.3090



39.1444, 0.3390, 0.2994



39.1444, 0.3772, 0.3434

Sweetspot

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



39.1460, 0.2852, 0.3614



76.9847, 0.3038, 0.3380



39.9696, 0.3271, 0.4092



16.9336, 0.3025, 0.3395



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.



39.1460, 0.2852, 0.3614



68.2077, 0.2796, 0.3704



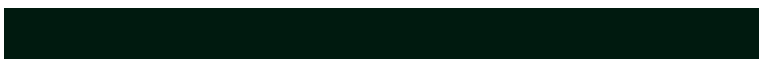
37.8460, 0.2697, 0.3209



9.5734, 0.3037, 0.3382



23.5627, 0.2617, 0.4623



0.7525, 0.2502, 0.4206

Inverse Universe

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



26.6002, 0.3519, 0.2989



41.8651, 0.3647, 0.2916



27.3926, 0.3752, 0.3369



8.5591, 0.3227, 0.3200



7.1046, 0.5359, 0.2726



0.2352, 0.4620, 0.2319

Previews

White Background



This preview shows how the Yxy color 39.1444, 0.2852, 0.3614 looks on a white background.

Color Contrast Check

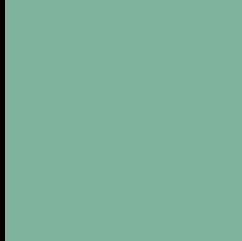
Large Text (above 18pt) WCAG AA × Fail

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 39.1444, 0.2852, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

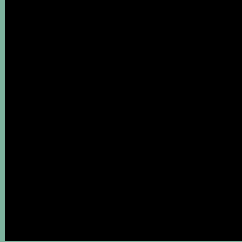
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1444, 0.2852, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 39.1444, 0.2852, 0.3614.



This preview shows how white text looks on a background with the Yxy color 39.1444, 0.2852, 0.3614.

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

39.1444, 0.2852, 0.3614

Protanopia

38.8705, 0.3334, 0.3515

Deuteranopia

38.8884, 0.3359, 0.3291



Tritanopia

39.2396, 0.2675, 0.3085

Trichromacy



Original Color

39.1444, 0.2852, 0.3614

Protanomaly

38.6270, 0.3143, 0.3539

Deuteranomaly

38.4710, 0.3150, 0.3390

Tritanomaly

39.0108, 0.2737, 0.3259

Monochromacy



Original Color

39.1444, 0.2852, 0.3614

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.8392, 0.3013, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1444, 0.2852, 0.3614 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, 179, 158)` looks like.

```
.text, #text, p{  
    color:rgb(126, 179, 158)  
}
```

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, 179, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 179, 158) }
```

Border

The CSS property to change the border of an element to Yxy 39.1444, 0.2852, 0.3614 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, 179, 158) }
```

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

```
.border{ border-color:rgb(126, 179, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 179, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 179, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 179, 158);  
box-shadow:4px 4px 4px 4px rgb(126, 179,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1444, 0.2852, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 179, 158) }
```

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

```
.background{ background-color: rgb(126,  
179, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor