

Converting Colors

$Yxy(39.8066, 0.2827, 0.3520)$

Have a look what the booklet for
Yxy(39.8066, 0.2827, 0.3520)
contains.

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Color

Yxy(39.9900, 0.2833, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	81B4A4
RGB	129, 180, 164
RGB Percent	51%, 71%, 64%
CMY	0.4941, 0.2941, 0.3568
CMYK	0.28, 0.00, 0.09, 0.29
HSL	161°, 25%, 61%
HSV	161°, 28%, 71%
XYZ	32.0758, 39.9900, 41.1562
YIQ	162.9270, -25.2600, -15.7880

Conversions

Conversions Part 2

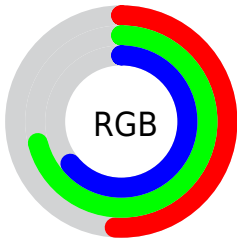
Format	Color
RYB	129, 159, 180
Decimal	8500388
CIELab	69.46, -20.26, 2.74
CIELCh	69, 20.447, 172.293
Yxy	39.9900, 0.2833, 0.3532
Android (android.graphics.Color)	4286690468 (0xFF81B4A4)
YUV	162.9270, 0.5290, -29.7540
Hunter-Lab	63.2376, -20.1260, 5.6794

Details

The Yxy color **39.9900, 0.2833, 0.3532** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **27.4475, 0.3546, 0.3062**, and the grayscale version is **36.5968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1727, 0.2888, 0.3485**, and **17.9683, 0.2748, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **38.5046, 0.2743, 0.3633**, and if you desaturate by 10%, it is **41.7360, 0.2932, 0.3439**.

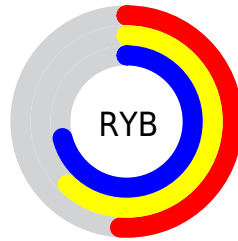
Distribution



Red (51%)

Green (71%)

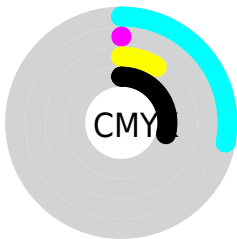
Blue (64%)



Red (51%)

Yellow (62%)

Blue (71%)

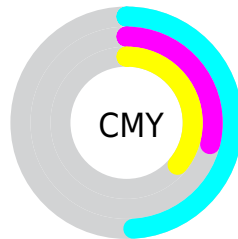


Cyan (28%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9900, 0.2833, 0.3532 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 39.9900, 0.2833, 0.3532 by changing the saturation by 10% instead.


 39.9900, 0.2833,
0.3532


 39.9900, 0.2833,
0.3532


346.0814, 0.2984,
0.3406

 27.5307, 0.2794,
0.3565


 75.1483, 0.2889,
0.3485

 17.9722, 0.2742,
0.3608


 98.6161, 0.2910,
0.3468

 10.9301, 0.2673,
0.3668


 126.5222, 0.2927,
0.3454

 6.0198, 0.2572,
0.3754

159.2511, 0.2942,
0.3441

 2.8571, 0.2415,
0.3892

197.1870, 0.2955,
0.3431

 1.0576, 0.1998,
0.4218

240.7145, 0.2966,

 0.0000, 0.0000,

0.3422

0.0000

290.2178, 0.2976,
0.3414

■ 39.9900, 0.2833,
0.3532

■ 39.9900, 0.2833,
0.3532

■ 38.5046, 0.2743,
0.3633

■ 41.7360, 0.2932,
0.3439

■ 37.2618, 0.2666,
0.3740

■ 43.7499, 0.3037,
0.3354

■ 36.2489, 0.2604,
0.3853

■ 46.0448, 0.3145,
0.3278

■ 35.4499, 0.2558,
0.3969

■ 48.6313, 0.3256,
0.3209

■ 34.8470, 0.2533,
0.4088

■ 51.5197, 0.3366,
0.3148

■ 34.4192, 0.2526,
0.4207

■ 54.7196, 0.3474,
0.3095

■ 34.1315, 0.2538,
0.4324

■ 58.2402, 0.3579,
0.3048

■ 34.0884, 0.2540,
0.4344

■ 58.5151, 0.3531,
0.2990

■ 58.7998, 0.3483,
0.2934

Harmonies

Analogous

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



39.9900, 0.3117, 0.3752



39.9900, 0.2833, 0.3532



39.9900, 0.2633, 0.3245

Triad

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



39.9900, 0.2833, 0.3532



39.9900, 0.2829, 0.2796



39.9900, 0.3727, 0.3548

Complementary

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



39.9900, 0.2833, 0.3532



27.4475, 0.3546, 0.3062

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.



39.9900, 0.3645, 0.3300



39.9900, 0.2833, 0.3532



39.9900, 0.3115, 0.2881

Square

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



39.9900, 0.2833, 0.3532



39.9900, 0.2631, 0.2831



39.9900, 0.3416, 0.3061



39.9900, 0.3639, 0.3745

Rectangle

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



39.9900, 0.2833, 0.3532



39.9900, 0.2570, 0.3066



39.9900, 0.3416, 0.3061



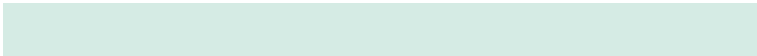
39.9900, 0.3719, 0.3468

Sweetspot

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



39.9916, 0.2833, 0.3532



79.0072, 0.3028, 0.3361



40.2621, 0.3228, 0.4063



16.9575, 0.3013, 0.3373



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.



39.9916, 0.2833, 0.3532



70.7732, 0.2776, 0.3594



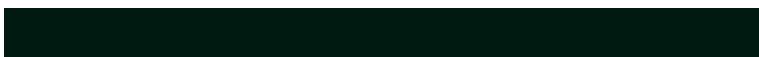
36.9570, 0.2708, 0.3148



9.5853, 0.3026, 0.3362



23.8032, 0.2536, 0.4329



0.7589, 0.2445, 0.4003

Inverse Universe

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



27.4475, 0.3546, 0.3062



44.2711, 0.3674, 0.3009



29.5657, 0.3700, 0.3427



8.5477, 0.3239, 0.3219



6.9854, 0.5678, 0.2902



0.2306, 0.4875, 0.2459

Previews

White Background



This preview shows how the Yxy color 39.9900, 0.2833, 0.3532 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 39.9900, 0.2833, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

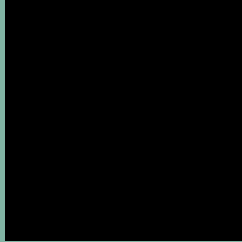
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9900, 0.2833, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 39.9900, 0.2833, 0.3532.

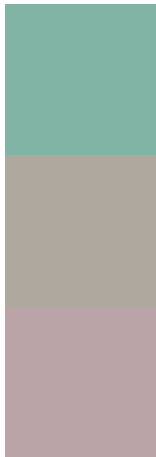


This preview shows how white text looks on a background with the Yxy color 39.9900, 0.2833, 0.3532.

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

39.9900, 0.2833, 0.3532

Protanopia

39.5878, 0.3279, 0.3429

Deuteranopia

39.7800, 0.3309, 0.3250



Tritanopia

39.9193, 0.2692, 0.3087

Trichromacy



Original Color

39.9900, 0.2833, 0.3532

Protanomaly

39.3122, 0.3101, 0.3464

Deuteranomaly

39.5020, 0.3115, 0.3347

Tritanomaly

39.7670, 0.2740, 0.3230

Monochromacy



Original Color

39.9900, 0.2833, 0.3532

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.5996, 0.3015, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9900, 0.2833, 0.3532 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, 180, 164)` looks like.

```
.text, #text, p{  
    color:rgb(129, 180, 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, 180, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 180, 164) }
```

Border

The CSS property to change the border of an element to Yxy 39.9900, 0.2833, 0.3532 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, 180, 164) }
```

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

```
.border{ border-color:rgb(129, 180, 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, 180, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 180, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 180, 164);  
box-shadow:4px 4px 4px 4px rgb(129, 180,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9900, 0.2833, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 180, 164) }
```

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

```
.background{ background-color: rgb(129,  
180, 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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