

Converting Colors

$Y_{xy}(39.7902, 0.2792, 0.3289)$

Have a look what the booklet for
Yxy(39.7902, 0.2792, 0.3289)
contains.

Yxy(39.8528, 0.2790, 0.3289)	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(39.8528, 0.2790, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	88B1B1
RGB	136, 177, 177
RGB Percent	53%, 69%, 69%
CMY	0.4668, 0.3058, 0.3058
CMYK	0.23, 0.00, 0.00, 0.31
HSL	180°, 21%, 61%
HSV	180°, 23%, 69%
XYZ	33.8064, 39.8528, 47.5107
YIQ	164.7410, -24.4360, -8.6920

Conversions

Conversions Part 2

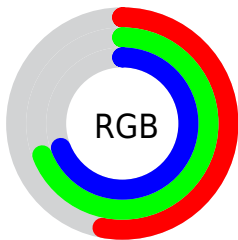
Format	Color
RYB	136, 157, 177
Decimal	8958385
CIELab	69.36, -13.69, -4.52
CIElCh	69, 14.415, 198.256
Yxy	39.8528, 0.2790, 0.3289
Android (android.graphics.Color)	4287148465 (0xFF88B1B1)
YUV	164.7410, 6.0437, -25.2059
Hunter-Lab	63.1291, -14.8869, -0.4311

Details

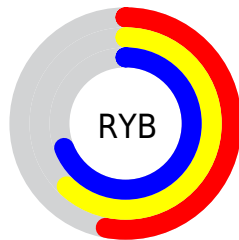
The Yxy color **39.8528, 0.2790, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.7206, 0.3595, 0.3291**, and the grayscale version is **37.4726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1082, 0.2850, 0.3289**, and **17.8018, 0.2696, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **38.4933, 0.2663, 0.3289**, and if you desaturate by 10%, it is **41.4603, 0.2929, 0.3289**.

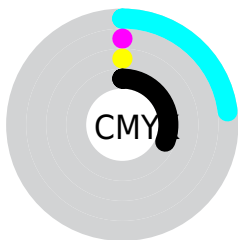
Distribution



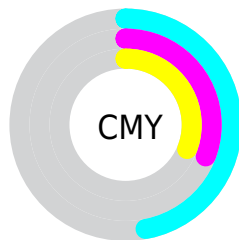
- Red (53%)
- Green (69%)
- Blue (69%)



- Red (53%)
- Yellow (62%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)





- Cyan (47%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8528, 0.2790, 0.3289 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 39.8528, 0.2790, 0.3289 by changing the saturation by 10% instead.


 39.8528, 0.2790,
0.3289


 39.8528, 0.2790,
0.3289


345.5028, 0.2962,
0.3292

 27.4238, 0.2746,
0.3288


 74.9393, 0.2853,
0.3290

 17.8918, 0.2689,
0.3286


 98.3656, 0.2877,
0.3291

 10.8723, 0.2613,
0.3282


 126.2264, 0.2896,
0.3291

 5.9810, 0.2504,
0.3275

158.9062, 0.2913,
0.3291

 2.8335, 0.2338,
0.3262

196.7894, 0.2928,
0.3291

 1.0455, 0.2019,
0.3241

240.2602, 0.2940,

 0.0000, 0.0000,

0.3291

0.0000

289.7032, 0.2952,
0.3291

■ 39.8528, 0.2790,
0.3289

■ 39.8528, 0.2790,
0.3289

■ 38.4933, 0.2663,
0.3289

■ 41.4603, 0.2929,
0.3289

■ 37.3648, 0.2550,
0.3288

■ 43.3221, 0.3078,
0.3290

■ 36.4561, 0.2455,
0.3288

■ 45.4503, 0.3233,
0.3290

■ 35.7528, 0.2377,
0.3288

■ 47.8549, 0.3392,
0.3291

■ 35.2389, 0.2319,
0.3288

■ 50.5451, 0.3552,
0.3291

■ 34.8961, 0.2279,
0.3288

■ 53.5301, 0.3710,
0.3292

■ 34.7023, 0.2256,
0.3288

■ 55.8841, 0.3823,
0.3292

■ 34.6238, 0.2247,
0.3287

■ 55.8841, 0.3823,
0.3292

■ 55.8841, 0.3823,
0.3292

Harmonies

Analogous

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



39.8528, 0.2945, 0.3484



39.8528, 0.2790, 0.3289



39.8528, 0.2724, 0.3102

Triad

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



39.8528, 0.2790, 0.3289



39.8528, 0.3091, 0.2983



39.8528, 0.3504, 0.3600

Complementary

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



39.8528, 0.2790, 0.3289



28.7206, 0.3595, 0.3291

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.



39.8528, 0.3548, 0.3455



39.8528, 0.2790, 0.3289



39.8528, 0.3305, 0.3106

Square

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



39.8528, 0.2790, 0.3289



39.8528, 0.2893, 0.2935



39.8528, 0.3475, 0.3276



39.8528, 0.3357, 0.3665

Rectangle

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



39.8528, 0.2790, 0.3289



39.8528, 0.2737, 0.3009



39.8528, 0.3475, 0.3276



39.8528, 0.3531, 0.3558

Sweetspot

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



39.8544, 0.2790, 0.3289



76.2121, 0.3019, 0.3290



38.5134, 0.3103, 0.3928



16.4745, 0.3010, 0.3290



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.



39.8544, 0.2790, 0.3289



70.0258, 0.2721, 0.3289



32.5762, 0.2767, 0.2987



9.6316, 0.2986, 0.3290



25.0822, 0.2247, 0.3287



0.7892, 0.2247, 0.3287

Inverse Universe

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



28.7206, 0.3595, 0.3291



46.4627, 0.3740, 0.3292



34.8346, 0.3533, 0.3575



8.5053, 0.3287, 0.3290



6.7723, 0.6401, 0.3300



0.2131, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 39.8528, 0.2790, 0.3289 looks on a white background.

Color Contrast Check

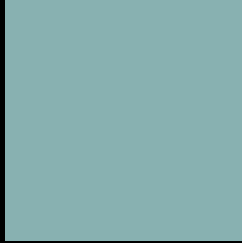
Large Text (above 18pt) WCAG AA × Fail

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 39.8528, 0.2790, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

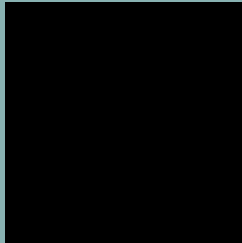
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8528, 0.2790, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 39.8528, 0.2790, 0.3289.



This preview shows how white text looks on a background with the Yxy color 39.8528, 0.2790, 0.3289.

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

39.8528, 0.2790, 0.3289

Protanopia

39.6417, 0.3121, 0.3235

Deuteranopia

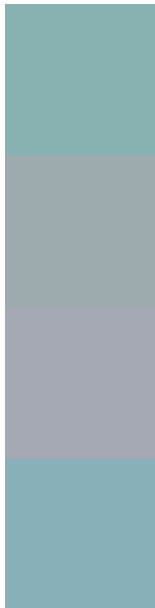
39.5495, 0.3137, 0.3076



Tritanopia

39.7373, 0.2719, 0.3088

Trichromacy



Original Color

39.8528, 0.2790, 0.3289

Protanomaly

39.4509, 0.2988, 0.3247

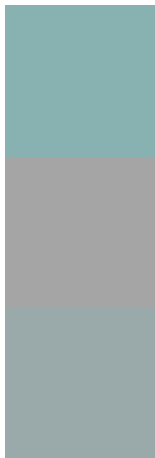
Deuteranomaly

39.5231, 0.3000, 0.3150

Tritanomaly

39.8718, 0.2741, 0.3158

Monochromacy



Original Color

39.8528, 0.2790, 0.3289

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1105, 0.2993, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8528, 0.2790, 0.3289 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(136, 177, 177)` looks like.

```
.text, #text, p{  
    color:rgb(136, 177, 177)  
}
```

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(136, 177, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 177, 177) }
```

Border

The CSS property to change the border of an element to Yxy 39.8528, 0.2790, 0.3289 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(136, 177, 177) }
```

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

```
.border{ border-color:rgb(136, 177, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 177, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 177, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 177, 177);  
box-shadow:4px 4px 4px 4px rgb(136, 177,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8528, 0.2790, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 177, 177) }
```

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

```
.background{ background-color: rgb(136,  
177, 177) }
```

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