

Converting Colors

$Y_{xy}(50.9390, 0.2855, 0.3289)$

Have a look what the booklet for
Yxy(50.9390, 0.2855, 0.3289)
contains.

Yxy(50.9390, 0.2854, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.9390, 0.2854, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A0C4C4
RGB	160, 196, 196
RGB Percent	63%, 77%, 77%
CMY	0.3726, 0.2314, 0.2313
CMYK	0.18, 0.00, 0.00, 0.23
HSL	180°, 23%, 70%
HSV	180°, 18%, 77%
XYZ	44.2019, 50.9390, 59.7360
YIQ	185.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

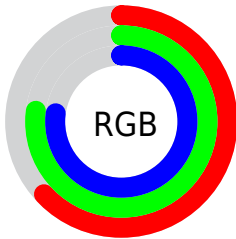
Format	Color
RYB	160, 178, 196
Decimal	10536132
CIELab	76.64, -11.94, -4.00
CIELCh	77, 12.591, 198.523
Yxy	50.9390, 0.2854, 0.3289
Android (android.graphics.Color)	4288726212 (0xFFA0C4C4)
YUV	185.2360, 5.3067, -22.1320
Hunter-Lab	71.3716, -14.3516, 0.3360

Details

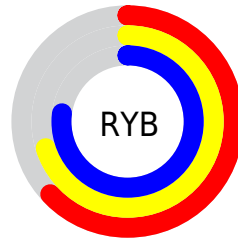
The Yxy color **50.9390, 0.2854, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4217, 0.3480, 0.3291**, and the grayscale version is **48.6341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7895, 0.2898, 0.3289**, and **24.4871, 0.2786, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **49.0745, 0.2720, 0.3289**, and if you desaturate by 10%, it is **53.1262, 0.2999, 0.3290**.

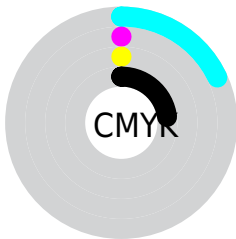
Distribution



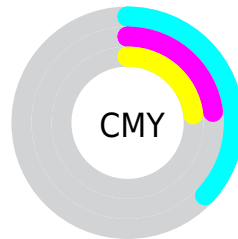
- Red (63%)
- Green (77%)
- Blue (77%)



- Red (63%)
- Yellow (70%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9390, 0.2854, 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 50.9390, 0.2854, 0.3289 by changing the saturation by 10% instead.


 50.9390, 0.2854,
0.3289


 50.9390, 0.2854,
0.3289

390.3267, 0.2988,
0.3291

 36.1601, 0.2821,
0.3288


 91.5646, 0.2902,
0.3290

 24.5578, 0.2780,
0.3287

 118.1801, 0.2920,
0.3290

 15.7479, 0.2726,
0.3285


149.5098, 0.2936,
0.3290

 9.3460, 0.2652,
0.3281

185.9382, 0.2949,
0.3291

 4.9675, 0.2545,
0.3275

227.8497, 0.2960,
0.3291

 2.2282, 0.2376,
0.3261

275.6287, 0.2971,

 0.7353, 0.1829,

0.3291

329.6596, 0.2980,
0.3291

0.3301

0.0000, 0.0000,
0.0000

50.9390, 0.2854,
0.3289

50.9390, 0.2854,
0.3289

49.0745, 0.2720,
0.3289

53.1262, 0.2999,
0.3290

47.5114, 0.2599,
0.3288

55.6438, 0.3152,
0.3290

46.2360, 0.2495,
0.3288


58.5069, 0.3311,
0.3291

45.2305, 0.2409,
0.3287


61.7278, 0.3471,
0.3291

44.4755, 0.2342,
0.3287


64.7436, 0.3607,
0.3292

 43.9490, 0.2293,
0.3287

 64.7468, 0.3607,
0.3292

 43.6249, 0.2263,
0.3286

 64.7500, 0.3607,
0.3292

 43.4626, 0.2248,
0.3286

 64.7532, 0.3607,
0.3292

 43.4416, 0.2246,
0.3286

 64.7564, 0.3607,
0.3292

Harmonies

Analogous

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



50.9390, 0.2979, 0.3444



50.9390, 0.2854, 0.3289



50.9390, 0.2801, 0.3139

Triad

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



50.9390, 0.2854, 0.3289



50.9390, 0.3101, 0.3041



50.9390, 0.3429, 0.3541

Complementary

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



50.9390, 0.2854, 0.3289



39.4217, 0.3480, 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.



50.9390, 0.3465, 0.3427



50.9390, 0.2854, 0.3289



50.9390, 0.3272, 0.3142

Square

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



50.9390, 0.2854, 0.3289



50.9390, 0.2940, 0.3002



50.9390, 0.3407, 0.3282



50.9390, 0.3312, 0.3591

Rectangle

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



50.9390, 0.2854, 0.3289



50.9390, 0.2812, 0.3063



50.9390, 0.3407, 0.3282



50.9390, 0.3452, 0.3509

Sweetspot

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



50.9411, 0.2854, 0.3289



97.2093, 0.3034, 0.3290



49.4987, 0.3104, 0.3786



20.7447, 0.3024, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.9411, 0.2854, 0.3289



90.8555, 0.2799, 0.3289



43.3036, 0.2841, 0.3046



11.4278, 0.2985, 0.3290



27.9082, 0.2246, 0.3286



1.2060, 0.2246, 0.3287

Inverse Universe

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



40.8649, 0.3148, 0.2840



69.2795, 0.3153, 0.2741



46.1198, 0.3439, 0.3522



10.2475, 0.3138, 0.3063



10.0996, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 50.9390, 0.2854, 0.3289 looks on a white background.

Color Contrast Check

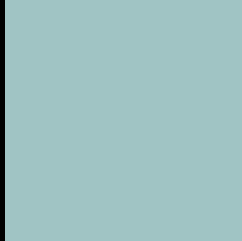
Large Text (above 18pt) WCAG AA × Fail

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 50.9390, 0.2854, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

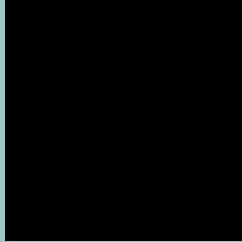
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

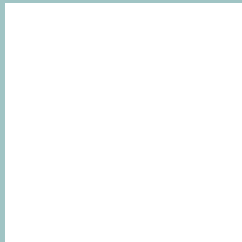
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9390, 0.2854, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 50.9390, 0.2854, 0.3289.

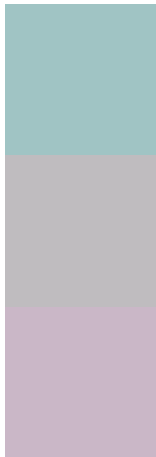


This preview shows how white text looks on a background with the Yxy color 50.9390, 0.2854, 0.3289.

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

50.9390, 0.2854, 0.3289

Protanopia

50.8044, 0.3129, 0.3253

Deuteranopia

50.5471, 0.3161, 0.3097



Tritanopia

50.9736, 0.2789, 0.3096

Trichromacy



Original Color

50.9390, 0.2854, 0.3289

Protanomaly

50.8152, 0.3024, 0.3264

Deuteranomaly

50.6085, 0.3044, 0.3165

Tritanomaly

51.0712, 0.2815, 0.3172

Monochromacy



Original Color

50.9390, 0.2854, 0.3289

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.2994, 0.3022, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9390, 0.2854, 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(160, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(160, 196, 196)  
}
```

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(160, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 196, 196) }
```

Border

The CSS property to change the border of an element to Yxy 50.9390, 0.2854, 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(160, 196, 196) }
```

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

```
.border{ border-color:rgb(160, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 196, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 196, 196); box-shadow:4px 4px 4px 4px rgb(160, 196, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9390, 0.2854, 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(160, 196, 196) }
```

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

```
.background{ background-color: rgb(160,  
196, 196) }
```

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