

Converting Colors

$Y_{xy}(39.7339, 0.2752, 0.3211)$

Have a look what the booklet for
Yxy(39.7339, 0.2752, 0.3211)
contains.

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Color

Yxy(39.5790, 0.2747, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	87B0B6
RGB	135, 176, 182
RGB Percent	53%, 69%, 71%
CMY	0.4704, 0.3098, 0.2863
CMYK	0.26, 0.03, 0.00, 0.29
HSL	188°, 24%, 62%
HSV	188°, 26%, 71%
XYZ	33.9655, 39.5790, 50.1013
YIQ	164.4250, -26.3620, -6.8260

Conversions

Conversions Part 2

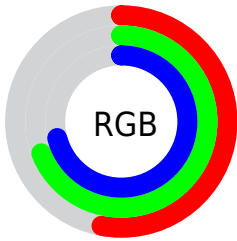
Format	Color
RYB	135, 157, 182
Decimal	8892598
CIELab	69.17, -12.29, -7.56
CIELCh	69, 14.430, 211.603
Yxy	39.5790, 0.2747, 0.3201
Android (android.graphics.Color)	4287082678 (0xFF87B0B6)
YUV	164.4250, 8.6645, -25.8057
Hunter-Lab	62.9118, -13.7253, -3.1786

Details

The Yxy color **39.5790, 0.2747, 0.3201** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.7589, 0.3645, 0.3377**, and the grayscale version is **37.3096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7051, 0.2815, 0.3222**, and **17.6357, 0.2638, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **37.2929, 0.2614, 0.3162**, and if you desaturate by 10%, it is **42.1420, 0.2890, 0.3238**.

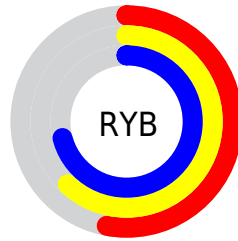
Distribution



Red (53%)

Green (69%)

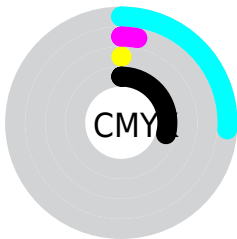
Blue (71%)



Red (53%)

Yellow (62%)

Blue (71%)

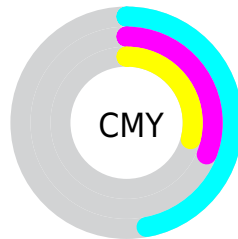


Cyan (26%)

Magenta (3%)

Yellow (0%)

Black (29%)



Cyan (47%)


Magenta (31%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5790, 0.2747, 0.3201 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 39.5790, 0.2747, 0.3201 by changing the saturation by 10% instead.


 39.5790, 0.2747,
0.3201


 39.5790, 0.2747,
0.3201


344.3459, 0.2940,
0.3249


 27.2104, 0.2698,
0.3188


 74.5220, 0.2818,
0.3220

 17.7313, 0.2634,
0.3170

 97.8652, 0.2844,
0.3226

 10.7573, 0.2549,
0.3144


 125.6355, 0.2866,
0.3232

 5.9039, 0.2428,
0.3106

158.2172, 0.2885,
0.3236

 2.7867, 0.2244,
0.3043

195.9947, 0.2902,
0.3240

 1.0214, 0.1906,
0.2929

239.3524, 0.2916,

 0.0000, 0.0000,

0.3244

0.0000

288.6746, 0.2929,
0.3247

■ 39.5790, 0.2747,
0.3201

■ 39.5790, 0.2747,
0.3201

■ 37.2929, 0.2614,
0.3162

■ 42.1420, 0.2890,
0.3238

■ 35.2657, 0.2493,
0.3120

■ 44.9894, 0.3039,
0.3272

■ 33.4846, 0.2388,
0.3077

■ 48.1342, 0.3192,
0.3303

■ 31.9339, 0.2299,
0.3033

■ 51.5873, 0.3346,
0.3331

■ 30.5957, 0.2230,
0.2989

■ 55.3590, 0.3499,
0.3356

■ 29.4495, 0.2179,
0.2944

■ 59.4590, 0.3649,
0.3378

■ 28.4691, 0.2145,
0.2900

■ 62.4572, 0.3733,
0.3399

■ 28.0827, 0.2134,
0.2882

■ 63.4886, 0.3726,
0.3423

■ 64.5362, 0.3720,
0.3447

Harmonies

Analogous

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



39.5790, 0.2866, 0.3401



39.5790, 0.2747, 0.3201



39.5790, 0.2726, 0.3035

Triad

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



39.5790, 0.2747, 0.3201



39.5790, 0.3188, 0.3029



39.5790, 0.3450, 0.3642

Complementary

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



39.5790, 0.2747, 0.3201



30.7589, 0.3645, 0.3377

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.



39.5790, 0.3544, 0.3527



39.5790, 0.2747, 0.3201



39.5790, 0.3391, 0.3178

Square

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



39.5790, 0.2747, 0.3201



39.5790, 0.2975, 0.2944



39.5790, 0.3523, 0.3358



39.5790, 0.3270, 0.3662

Rectangle

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



39.5790, 0.2747, 0.3201



39.5790, 0.2770, 0.2965



39.5790, 0.3523, 0.3358



39.5790, 0.3493, 0.3613

Sweetspot

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



39.5806, 0.2747, 0.3201



80.3157, 0.3003, 0.3264



40.5173, 0.3052, 0.3926



17.5641, 0.2981, 0.3259



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.5806, 0.2747, 0.3201



69.3289, 0.2669, 0.3179



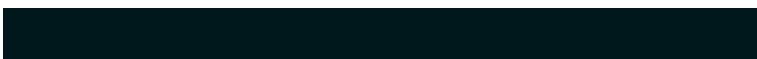
31.3291, 0.2715, 0.2851



10.0095, 0.2985, 0.3260



19.9011, 0.2135, 0.2887



0.7567, 0.2167, 0.3000

Inverse Universe

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



30.4203, 0.3217, 0.2734



50.0381, 0.3241, 0.2609



38.2453, 0.3567, 0.3693



9.1425, 0.3156, 0.3093



8.7914, 0.3555, 0.1732



0.3155, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 39.5790, 0.2747, 0.3201 looks on a white background.

Color Contrast Check

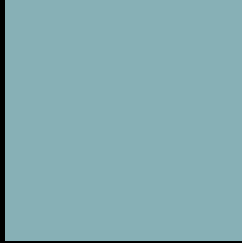
Large Text (above 18pt) WCAG AA × Fail

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 39.5790, 0.2747, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

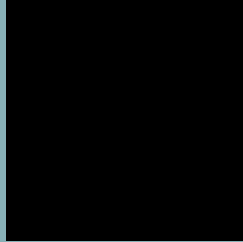
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

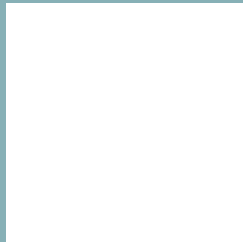
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.5790, 0.2747, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 39.5790, 0.2747, 0.3201.



This preview shows how white text looks on a background with the Yxy color 39.5790, 0.2747, 0.3201.

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

39.5790, 0.2747, 0.3201

Protanopia

39.2468, 0.3061, 0.3152

Deuteranopia

39.4008, 0.3067, 0.3009



Tritanopia

39.6524, 0.2712, 0.3087

Trichromacy



Original Color

39.5790, 0.2747, 0.3201

Protanomaly

39.1722, 0.2940, 0.3162

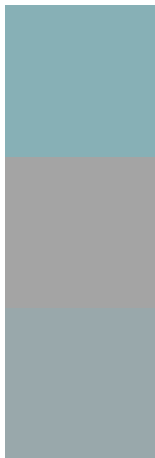
Deuteranomaly

39.1473, 0.2943, 0.3067

Tritanomaly

39.4394, 0.2725, 0.3129

Monochromacy



Original Color

39.5790, 0.2747, 0.3201

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7178, 0.2968, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5790, 0.2747, 0.3201 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(135, 176, 182)` looks like.

```
.text, #text, p{  
    color:rgb(135, 176, 182)  
}
```

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(135, 176, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 176, 182) }
```

Border

The CSS property to change the border of an element to Yxy 39.5790, 0.2747, 0.3201 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(135, 176, 182) }
```

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

```
.border{ border-color:rgb(135, 176, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 176, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 176, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 176, 182);  
box-shadow:4px 4px 4px 4px rgb(135, 176,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5790, 0.2747, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 176, 182) }
```

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

```
.background{ background-color: rgb(135,  
176, 182) }
```

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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