

Converting Colors

$Y_{xy}(39.6375, 0.2732, 0.3305)$

Have a look what the booklet for
Yxy(39.6375, 0.2732, 0.3305)
contains.

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Color

Yxy(39.6043, 0.2733, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	80B2B1
RGB	128, 178, 177
RGB Percent	50%, 70%, 69%
CMY	0.4979, 0.3020, 0.3059
CMYK	0.28, 0.00, 0.01, 0.30
HSL	179°, 24%, 60%
HSV	179°, 28%, 70%
XYZ	32.7599, 39.6043, 47.5036
YIQ	162.9360, -29.4790, -10.9110

Conversions

Conversions Part 2

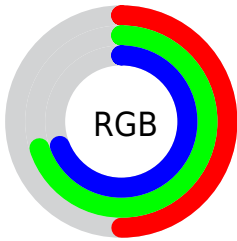
Format	Color
RYB	128, 153, 178
Decimal	8434353
CIELab	69.19, -16.62, -4.81
CIELCh	69, 17.301, 196.158
Yxy	39.6043, 0.2733, 0.3304
Android (android.graphics.Color)	4286624433 (0xFF80B2B1)
YUV	162.9360, 6.9336, -30.6389
Hunter-Lab	62.9319, -17.2110, -0.7021

Details

The Yxy color **39.6043, 0.2733, 0.3304** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4970, 0.3716, 0.3277**, and the grayscale version is **36.5741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6739, 0.2803, 0.3300**, and **17.6590, 0.2615, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **38.3297, 0.2614, 0.3310**, and if you desaturate by 10%, it is **41.1242, 0.2865, 0.3299**.

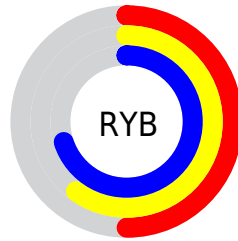
Distribution



Red (50%)

Green (70%)

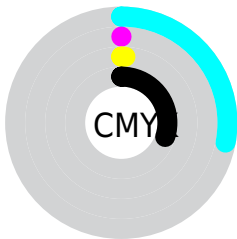
Blue (69%)



Red (50%)

Yellow (60%)

Blue (70%)

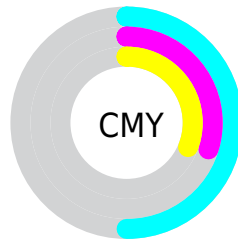


Cyan (28%)

Magenta (0%)

Yellow (1%)

Black (30%)



Cyan (50%)


Magenta (30%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6043, 0.2733, 0.3304 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 39.6043, 0.2733, 0.3304 by changing the saturation by 10% instead.

 39.6043, 0.2733,
0.3304


 39.6043, 0.2733,
0.3304

344.4529, 0.2933,
0.3299


 27.2302, 0.2682,
0.3304


 74.5606, 0.2807,
0.3303

 17.7462, 0.2616,
0.3304


 97.9115, 0.2834,
0.3302

 10.7679, 0.2526,
0.3303


 125.6901, 0.2857,
0.3302

 5.9110, 0.2400,
0.3299

158.2809, 0.2877,
0.3301

 2.7910, 0.2207,
0.3289

196.0682, 0.2894,
0.3301

 1.0236, 0.1802,
0.3289

239.4363, 0.2909,

 0.0000, 0.0000,

0.3300

0.0000

288.7698, 0.2922,
0.3300

■ 39.6043, 0.2733,
0.3304

■ 39.6043, 0.2733,
0.3304

■ 38.3297, 0.2614,
0.3310

■ 41.1242, 0.2865,
0.3299

■ 37.2831, 0.2512,
0.3316

■ 42.8965, 0.3007,
0.3294

■ 36.4523, 0.2426,
0.3322

■ 44.9336, 0.3156,
0.3289

■ 35.8219, 0.2359,
0.3329

■ 47.2460, 0.3311,
0.3285

■ 35.3747, 0.2311,
0.3335

■ 49.8433, 0.3467,
0.3282

■ 35.0905, 0.2281,
0.3341

■ 52.7348, 0.3623,
0.3279

■ 34.9365, 0.2266,
0.3348

■ 55.9295, 0.3777,
0.3276

■ 34.9116, 0.2264,
0.3349

■ 56.3912, 0.3794,
0.3272

■ 56.4059, 0.3791,
0.3268

Harmonies

Analogous

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



39.6043, 0.2923, 0.3540



39.6043, 0.2733, 0.3304



39.6043, 0.2647, 0.3076

Triad

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



39.6043, 0.2733, 0.3304



39.6043, 0.3065, 0.2917



39.6043, 0.3588, 0.3651

Complementary

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



39.6043, 0.2733, 0.3304



26.4970, 0.3716, 0.3277

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.



39.6043, 0.3633, 0.3471



39.6043, 0.2733, 0.3304



39.6043, 0.3324, 0.3058

Square

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



39.6043, 0.2733, 0.3304



39.6043, 0.2832, 0.2865



39.6043, 0.3535, 0.3257



39.6043, 0.3418, 0.3741

Rectangle

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



39.6043, 0.2733, 0.3304



39.6043, 0.2657, 0.2961



39.6043, 0.3535, 0.3257



39.6043, 0.3619, 0.3598

Sweetspot

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



39.6059, 0.2733, 0.3304



77.7679, 0.3006, 0.3294



38.1218, 0.3104, 0.4083



17.1163, 0.2984, 0.3294



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.



39.6059, 0.2733, 0.3304



70.2668, 0.2654, 0.3308



31.1421, 0.2690, 0.2928



9.6285, 0.2989, 0.3294



24.9809, 0.2263, 0.3348



0.7869, 0.2258, 0.3330

Inverse Universe

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



26.4970, 0.3716, 0.3277



42.3552, 0.3912, 0.3274



33.2699, 0.3638, 0.3626



8.5080, 0.3284, 0.3286



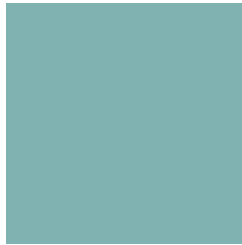
6.7791, 0.6374, 0.3285



0.2142, 0.6261, 0.3223

Previews

White Background



This preview shows how the Yxy color 39.6043, 0.2733, 0.3304 looks on a white background.

Color Contrast Check

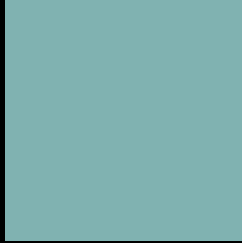
Large Text (above 18pt) WCAG AA × Fail

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 39.6043, 0.2733, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

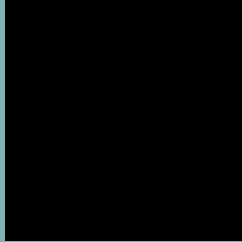
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

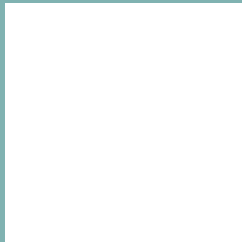
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.6043, 0.2733, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 39.6043, 0.2733, 0.3304.

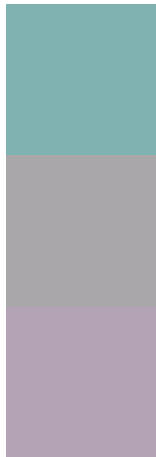


This preview shows how white text looks on a background with the Yxy color 39.6043, 0.2733, 0.3304.

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

39.6043, 0.2733, 0.3304

Protanopia

39.1238, 0.3121, 0.3234

Deuteranopia

39.0734, 0.3129, 0.3062



Tritanopia

39.5937, 0.2663, 0.3085

Trichromacy



Original Color

39.6043, 0.2733, 0.3304

Protanomaly

39.1115, 0.2970, 0.3261

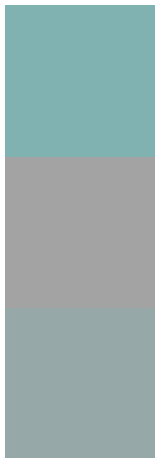
Deuteranomaly

38.7335, 0.2965, 0.3135

Tritanomaly

39.6929, 0.2691, 0.3171

Monochromacy



Original Color

39.6043, 0.2733, 0.3304

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3164, 0.2966, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6043, 0.2733, 0.3304 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(128, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 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(128, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 177) }
```

Border

The CSS property to change the border of an element to Yxy 39.6043, 0.2733, 0.3304 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(128, 178, 177) }
```

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

```
.border{ border-color:rgb(128, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6043, 0.2733, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 177) }
```

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

```
.background{ background-color: rgb(128,  
178, 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](#).

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