

Converting Colors

$Y_{xy}(39.7767, 0.2443, 0.3343)$

Have a look what the booklet for
Yxy(39.7767, 0.2443, 0.3343)
contains.

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Color

Yxy(39.7808, 0.2440, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	50B9B6
RGB	80, 185, 182
RGB Percent	31%, 73%, 71%
CMY	0.6860, 0.2745, 0.2863
CMYK	0.57, 0.00, 0.02, 0.27
HSL	178°, 43%, 52%
HSV	178°, 57%, 73%
XYZ	29.1050, 39.7808, 50.3970
YIQ	153.2630, -61.6170, -23.1930

Conversions

Conversions Part 2

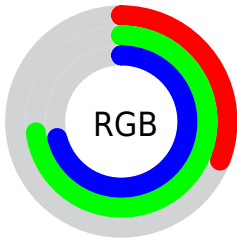
Format	Color
RYB	80, 133, 185
Decimal	5290422
CIELab	69.31, -30.72, -7.62
CIElCh	69, 31.646, 193.925
Yxy	39.7808, 0.2440, 0.3335
Android (android.graphics.Color)	4283480502 (0xFF50B9B6)
YUV	153.2630, 14.1673, -64.2517
Hunter-Lab	63.0720, -28.0061, -3.2246

Details

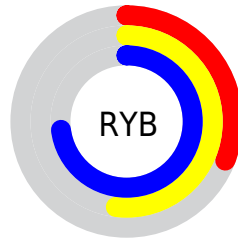
The Yxy color **39.7808, 0.2440, 0.3335** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **16.6888, 0.4768, 0.3255**, and the grayscale version is **31.9423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5726, 0.2564, 0.3324**, and **17.8176, 0.2259, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **39.0621, 0.2371, 0.3344**, and if you desaturate by 10%, it is **40.7243, 0.2527, 0.3326**.

Distribution



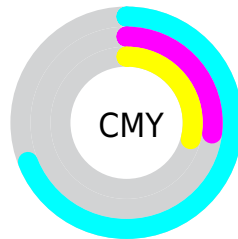
- Red (31%)
- Green (73%)
- Blue (71%)



- Red (31%)
- Yellow (52%)
- Blue (73%)



- Cyan (57%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (69%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7808, 0.2440, 0.3335 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 39.7808, 0.2440, 0.3335 by changing the saturation by 10% instead.


 39.7808, 0.2440,
0.3335


 39.7808, 0.2440,
0.3335


345.1988, 0.2786,
0.3320


 27.3677, 0.2353,
0.3336


 74.8296, 0.2566,
0.3331

 17.8496, 0.2242,
0.3337

 98.2341, 0.2613,
0.3329

 10.8420, 0.2095,
0.3334


 126.0711, 0.2653,
0.3327

 5.9607, 0.1891,
0.3324

 158.7252, 0.2687,
0.3326

 2.8212, 0.1593,
0.3296

196.5805, 0.2717,
0.3324

 1.0391, 0.0742,
0.3349

240.0217, 0.2743,

 0.0000, 0.0000,

0.3322

0.0000

289.4330, 0.2766,
0.3321

■ 39.7808, 0.2440,
0.3335

■ 39.7808, 0.2440,
0.3335

■ 39.0621, 0.2371,
0.3344

■ 40.7243, 0.2527,
0.3326

■ 38.5451, 0.2321,
0.3353

■ 41.9047, 0.2632,
0.3317

■ 38.2095, 0.2290,
0.3363

■ 43.3385, 0.2752,
0.3309

■ 38.0257, 0.2274,
0.3372

■ 45.0393, 0.2885,
0.3302

■ 37.9794, 0.2271,
0.3375

■ 47.0201, 0.3027,
0.3294

■ 49.2927, 0.3177,
0.3288

■ 51.8683, 0.3331,
0.3282

■ 54.7577, 0.3486,
0.3277

■ 57.9710, 0.3641,
0.3273

Harmonies

Analogous

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



39.7808, 0.2780, 0.3789



39.7808, 0.2440, 0.3335



39.7808, 0.2282, 0.2909

Triad

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



39.7808, 0.2440, 0.3335



39.7808, 0.2970, 0.2626



39.7808, 0.3979, 0.3901

Complementary

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



39.7808, 0.2440, 0.3335



16.6888, 0.4768, 0.3255

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.



39.7808, 0.4053, 0.3560



39.7808, 0.2440, 0.3335



39.7808, 0.3445, 0.2856

Square

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



39.7808, 0.2440, 0.3335



39.7808, 0.2569, 0.2542



39.7808, 0.3854, 0.3187



39.7808, 0.3671, 0.4112

Rectangle

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



39.7808, 0.2440, 0.3335



39.7808, 0.2290, 0.2705



39.7808, 0.3854, 0.3187



39.7808, 0.4033, 0.3796

Sweetspot

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



39.7823, 0.2440, 0.3335



80.4836, 0.2877, 0.3302



37.1419, 0.3065, 0.5077



17.2130, 0.2850, 0.3303



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.



39.7823, 0.2440, 0.3335



69.7095, 0.2357, 0.3346



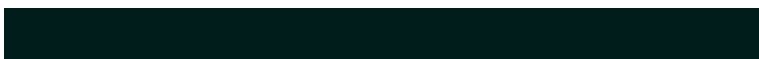
22.8300, 0.2247, 0.2457



10.2061, 0.2989, 0.3296



25.8638, 0.2270, 0.3374



0.9132, 0.2264, 0.3350

Inverse Universe

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



16.6888, 0.4768, 0.3255



24.3388, 0.5346, 0.3256



26.6056, 0.4368, 0.3964



9.0163, 0.3283, 0.3284



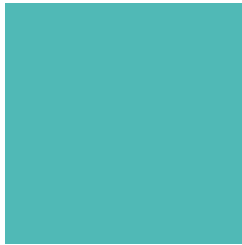
7.0329, 0.6364, 0.3279



0.2493, 0.6217, 0.3198

Previews

White Background



This preview shows how the Yxy color 39.7808, 0.2440, 0.3335 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 39.7808, 0.2440, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

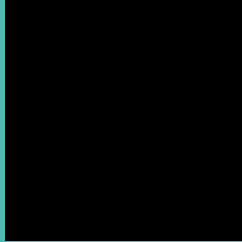
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

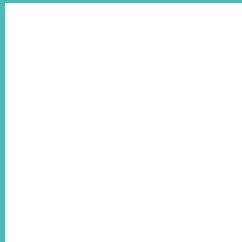
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7808, 0.2440, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 39.7808, 0.2440, 0.3335.

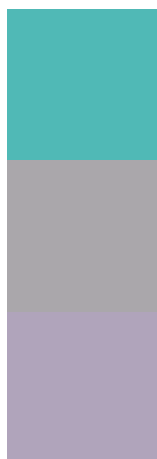


This preview shows how white text looks on a background with the Yxy color 39.7808, 0.2440, 0.3335.

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

39.7808, 0.2440, 0.3335

Protanopia

39.1238, 0.3121, 0.3234

Deuteranopia

39.3689, 0.3041, 0.2982



Tritanopia

39.8766, 0.2380, 0.3076

Trichromacy



Original Color

39.7808, 0.2440, 0.3335

Protanomaly

38.6856, 0.2809, 0.3274

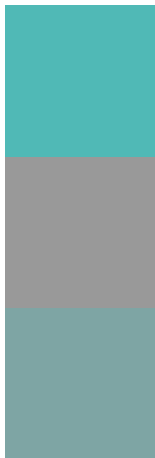
Deuteranomaly

38.6706, 0.2766, 0.3101

Tritanomaly

39.9716, 0.2401, 0.3166

Monochromacy



Original Color

39.7808, 0.2440, 0.3335

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.0262, 0.2793, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7808, 0.2440, 0.3335 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(80, 185, 182)` looks like.

```
.text, #text, p{  
    color:rgb(80, 185, 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(80, 185, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 185, 182) }
```

Border

The CSS property to change the border of an element to Yxy 39.7808, 0.2440, 0.3335 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(80, 185, 182) }
```

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

```
.border{ border-color:rgb(80, 185, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 185, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 185, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 185, 182);  
box-shadow:4px 4px 4px 4px rgb(80, 185,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7808, 0.2440, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 185, 182) }
```

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

```
.background{ background-color: rgb(80, 185,  
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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