

Converting Colors

$Yxy(39.8961, 0.2379, 0.3456)$

Have a look what the booklet for
Yxy(39.8961, 0.2379, 0.3456)
contains.

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Color

Yxy(39.9250, 0.2382, 0.3465)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 36BCB1 |
| RGB | 54, 188, 177 |
| RGB Percent | 21%, 74%, 69% |
| CMY | 0.7876, 0.2628, 0.3059 |
| CMYK | 0.71, 0.00, 0.06, 0.26 |
| HSL | 175°, 55%, 47% |
| HSV | 175°, 71%, 74% |
| XYZ | 27.4463, 39.9250, 47.8524 |
| YIQ | 146.6800, -76.3330, -31.8290 |

Conversions

Conversions Part 2

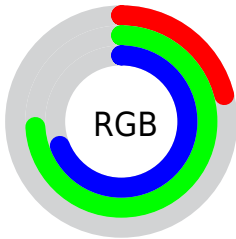
| Format | Color |
|-------------------------------------|--|
| RYB | 54, 124, 188 |
| Decimal | 3587249 |
| CIELab | 69.42, -37.69, -4.79 |
| CIElCh | 69, 37.991, 187.243 |
| Yxy | 39.9250, 0.2382, 0.3465 |
| Android (android.graphics.Color) | 4281777329 (0xFF36BCB1) |
| YUV | 146.6800, 14.9478, -81.2804 |
| Hunter-Lab | 63.1862, -33.0407, -0.6713 |

Details

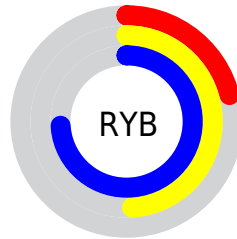
The Yxy color **39.9250, 0.2382, 0.3465** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.7278, 0.5328, 0.3177**, and the grayscale version is **29.0187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1811, 0.2516, 0.3433**, and **18.5309, 0.2303, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **39.4402, 0.2344, 0.3493**, and if you desaturate by 10%, it is **40.6147, 0.2439, 0.3437**.

Distribution



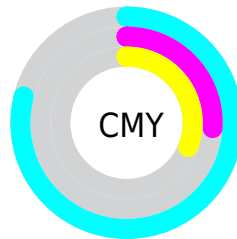
- Red (21%)
- Green (74%)
- Blue (69%)



- Red (21%)
- Yellow (49%)
- Blue (74%)



- Cyan (71%)
- Magenta (0%)
- Yellow (6%)
- Black (26%)





- Cyan (79%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9250, 0.2382, 0.3465 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 39.9250, 0.2382, 0.3465 by changing the saturation by 10% instead.


 39.9250, 0.2382,
0.3465


 39.9250, 0.2382,
0.3465


345.8074, 0.2758,
0.3382


 27.4801, 0.2288,
0.3484


 75.0493, 0.2519,
0.3436

 17.9341, 0.2167,
0.3507


 98.4974, 0.2570,
0.3425

 10.9027, 0.2007,
0.3535

 126.3821, 0.2613,
0.3415

 6.0014, 0.1786,
0.3569

 159.0877, 0.2651,
0.3407

 2.8460, 0.1465,
0.3608

 196.9987, 0.2683,
0.3400

 1.0518, 0.0263,
0.3916

240.4993, 0.2711,

 0.0000, 0.0000,

0.3393

0.0000

289.9741, 0.2736,
0.3387

■ 39.9250, 0.2382,
0.3465

■ 39.9250, 0.2382,
0.3465

■ 39.4402, 0.2344,
0.3493

■ 40.6147, 0.2439,
0.3437

■ 39.1311, 0.2324,
0.3520

■ 41.5254, 0.2514,
0.3410

■ 38.9631, 0.2318,
0.3544

■ 42.6769, 0.2608,
0.3384

■ 44.0853, 0.2716,
0.3358

■ 45.7654, 0.2838,
0.3335

■ 47.7312, 0.2970,
0.3313

■ 49.9952, 0.3110,
0.3292

■ 52.5696, 0.3255,
0.3274

■ 55.4657, 0.3402,
0.3258

Harmonies

Analogous

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



39.9250, 0.2818, 0.4002



39.9250, 0.2382, 0.3465



39.9250, 0.2151, 0.2926

Triad

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



39.9250, 0.2382, 0.3465



39.9250, 0.2817, 0.2471



39.9250, 0.4190, 0.3920

Complementary

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



39.9250, 0.2382, 0.3465



13.7278, 0.5328, 0.3177

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.



39.9250, 0.4213, 0.3498



39.9250, 0.2382, 0.3465



39.9250, 0.3377, 0.2705

Square

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



39.9250, 0.2382, 0.3465



39.9250, 0.2384, 0.2413



39.9250, 0.3907, 0.3068



39.9250, 0.3868, 0.4233

Rectangle

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



39.9250, 0.2382, 0.3465



39.9250, 0.2126, 0.2658



39.9250, 0.3907, 0.3068



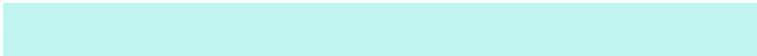
39.9250, 0.4235, 0.3786

Sweetspot

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



39.9265, 0.2382, 0.3465



82.8985, 0.2836, 0.3335



37.3661, 0.3074, 0.5508



17.6358, 0.2801, 0.3341



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.9265, 0.2382, 0.3465



71.1570, 0.2332, 0.3507



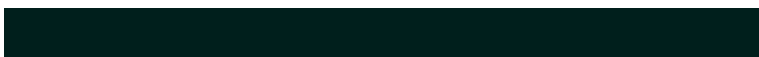
20.9848, 0.2087, 0.2319



10.7957, 0.2996, 0.3309



26.5356, 0.2317, 0.3541



1.0435, 0.2299, 0.3475

Inverse Universe

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



13.7278, 0.5328, 0.3177



20.9469, 0.5957, 0.3207



22.0945, 0.4867, 0.3987



9.5488, 0.3276, 0.3271



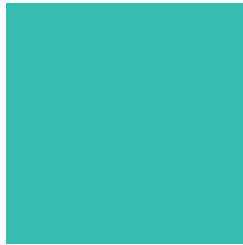
7.3083, 0.6296, 0.3242



0.2906, 0.5930, 0.3040

Previews

White Background



This preview shows how the Yxy color 39.9250, 0.2382, 0.3465 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 39.9250, 0.2382, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

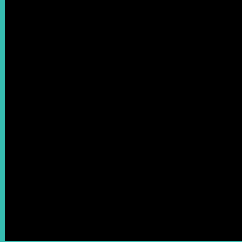
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

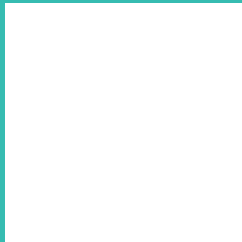
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9250, 0.2382, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 39.9250, 0.2382, 0.3465.

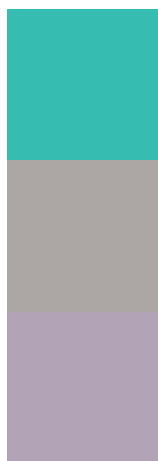


This preview shows how white text looks on a background with the Yxy color 39.9250, 0.2382, 0.3465.

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

39.9250, 0.2382, 0.3465

Protanopia

39.1247, 0.3191, 0.3318

Deuteranopia

39.0368, 0.3102, 0.3035



Tritanopia

40.0613, 0.2298, 0.3060

Trichromacy



Original Color

39.9250, 0.2382, 0.3465



Protanomaly

38.1916, 0.2792, 0.3380



Deuteranomaly

37.7869, 0.2740, 0.3170



Tritanomaly

39.9477, 0.2324, 0.3194

Monochromacy



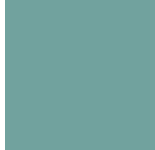
Original Color

39.9250, 0.2382, 0.3465



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.8200, 0.2731, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9250, 0.2382, 0.3465 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(54, 188, 177)` looks like.

```
.text, #text, p{  
  color:rgb(54, 188, 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(54, 188, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 188, 177) }
```

Border

The CSS property to change the border of an element to Yxy 39.9250, 0.2382, 0.3465 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(54, 188, 177) }
```

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

```
.border{ border-color:rgb(54, 188, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 188, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 188, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 188, 177);  
box-shadow:4px 4px 4px 4px rgb(54, 188,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9250, 0.2382, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 188, 177) }
```

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

```
.background{ background-color: rgb(54, 188,  
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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