

Converting Colors

$Y_{xy}(40.0303, 0.2467, 0.3133)$

Have a look what the booklet for
Yxy(40.0303, 0.2467, 0.3133)
contains.

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Color

Yxy(39.9143, 0.2467, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	63B6C0
RGB	99, 182, 192
RGB Percent	39%, 71%, 75%
CMY	0.6118, 0.2863, 0.2470
CMYK	0.48, 0.05, 0.00, 0.25
HSL	186°, 42%, 57%
HSV	186°, 48%, 75%
XYZ	31.3894, 39.9143, 55.9335
YIQ	158.3230, -52.6780, -14.4860

Conversions

Conversions Part 2

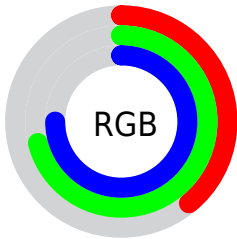
Format	Color
R _Y B	99, 143, 192
Decimal	6534848
CIE Lab	69.41, -22.53, -12.92
CIE LCh	69, 25.973, 209.834
Yxy	39.9143, 0.2467, 0.3137
Android (android.graphics.Color)	4284724928 (0xFF63B6C0)
YUV	158.3230, 16.6028, -52.0263
Hunter-Lab	63.1778, -21.8747, -8.2671

Details

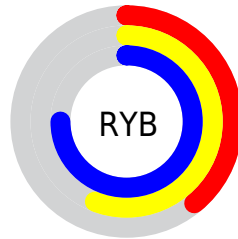
The Yxy color **39.9143, 0.2467, 0.3137** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.0521, 0.4384, 0.3429**, and the grayscale version is **34.2880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8949, 0.2587, 0.3174**, and **17.9767, 0.2276, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **38.1186, 0.2368, 0.3101**, and if you desaturate by 10%, it is **41.9827, 0.2582, 0.3172**.

Distribution



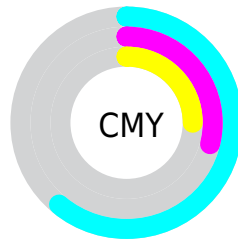
- Red (39%)
- Green (71%)
- Blue (75%)



- Red (39%)
- Yellow (56%)
- Blue (75%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (61%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9143, 0.2467, 0.3137 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 39.9143, 0.2467, 0.3137 by changing the saturation by 10% instead.


 39.9143, 0.2467,
0.3137


 39.9143, 0.2467,
0.3137

345.7622, 0.2798,
0.3223


 27.4717, 0.2385,
0.3112


 75.0330, 0.2587,
0.3171


 17.9278, 0.2279,
0.3079


 98.4779, 0.2632,
0.3183

 10.8982, 0.2140,
0.3031


 126.3591, 0.2670,
0.3192

 5.9984, 0.1948,
0.2958

 159.0609, 0.2703,
0.3201

 2.8441, 0.1670,
0.2837

196.9677, 0.2732,
0.3208

 1.0509, 0.1107,
0.2643

240.4639, 0.2756,

 0.0000, 0.0000,

0.3214

0.0000

289.9340, 0.2778,
0.3219

■ 39.9143, 0.2467,
0.3137

■ 39.9143, 0.2467,
0.3137

■ 38.1186, 0.2368,
0.3101

■ 41.9827, 0.2582,
0.3172

■ 36.5725, 0.2288,
0.3063

■ 44.3360, 0.2711,
0.3206

■ 35.2563, 0.2226,
0.3026


■ 46.9910, 0.2851,
0.3238


■ 34.1455, 0.2183,
0.2989

■ 49.9619, 0.2998,
0.3267


■ 33.2003, 0.2156,
0.2952

■ 53.2621, 0.3151,
0.3294

 33.0593, 0.2152,
0.2947

 56.9040, 0.3306,
0.3318

 60.8995, 0.3461,
0.3340

 65.2599, 0.3614,
0.3360

 66.6652, 0.3629,
0.3381

Harmonies

Analogous

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



39.9143, 0.2677, 0.3508



39.9143, 0.2467, 0.3137



39.9143, 0.2423, 0.2841

Triad

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



39.9143, 0.2467, 0.3137



39.9143, 0.3207, 0.2825



39.9143, 0.3716, 0.3907

Complementary

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



39.9143, 0.2467, 0.3137



23.0521, 0.4384, 0.3429

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.



39.9143, 0.3882, 0.3679



39.9143, 0.2467, 0.3137



39.9143, 0.3581, 0.3071

Square

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



39.9143, 0.2467, 0.3137



39.9143, 0.2831, 0.2686



39.9143, 0.3834, 0.3376



39.9143, 0.3394, 0.3975

Rectangle

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



39.9143, 0.2467, 0.3137



39.9143, 0.2491, 0.2721



39.9143, 0.3834, 0.3376



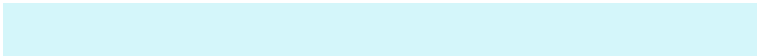
39.9143, 0.3793, 0.3845

Sweetspot

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



39.9158, 0.2467, 0.3137



86.7816, 0.2897, 0.3247



41.4522, 0.3001, 0.4656



18.3798, 0.2866, 0.3241



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.9158, 0.2467, 0.3137



68.9028, 0.2364, 0.3099



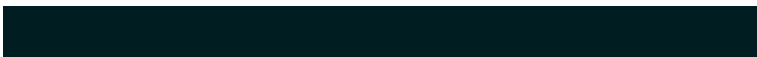
24.1261, 0.2328, 0.2391



11.2370, 0.2984, 0.3264



22.3078, 0.2153, 0.2951



1.0180, 0.2176, 0.3033

Inverse Universe

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



23.5101, 0.3296, 0.2236



36.3568, 0.3340, 0.2047



35.4913, 0.4058, 0.4035



10.2282, 0.3154, 0.3087



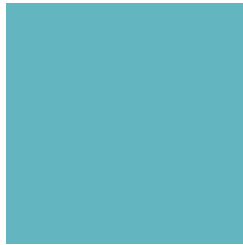
9.5342, 0.3497, 0.1700



0.4174, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 39.9143, 0.2467, 0.3137 looks on a white background.

Color Contrast Check

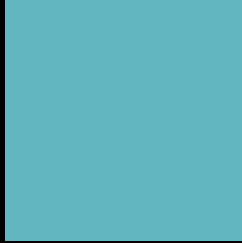
Large Text (above 18pt) WCAG AA × Fail

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 39.9143, 0.2467, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

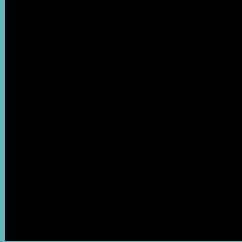
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9143, 0.2467, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 39.9143, 0.2467, 0.3137.

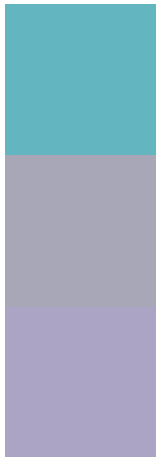


This preview shows how white text looks on a background with the Yxy color 39.9143, 0.2467, 0.3137.

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

39.9143, 0.2467, 0.3137

Protanopia

39.2718, 0.2994, 0.3070

Deuteranopia

39.3071, 0.2933, 0.2864



Tritanopia

39.7426, 0.2447, 0.3064

Trichromacy



Original Color

39.9143, 0.2467, 0.3137

Protanomaly

38.8010, 0.2767, 0.3087

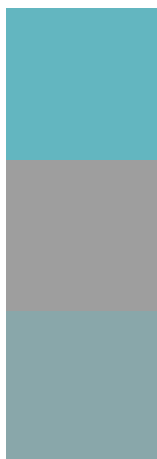
Deuteranomaly

39.0857, 0.2725, 0.2951

Tritanomaly

39.6972, 0.2453, 0.3078

Monochromacy



Original Color

39.9143, 0.2467, 0.3137

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.8581, 0.2840, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9143, 0.2467, 0.3137 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(99, 182, 192) looks like.

```
.text, #text, p{  
    color:rgb(99, 182, 192)  
}
```

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(99, 182, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 182, 192) }
```

Border

The CSS property to change the border of an element to Yxy 39.9143, 0.2467, 0.3137 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(99, 182, 192) }
```

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

```
.border{ border-color:rgb(99, 182, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 182, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 182, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 182, 192);  
box-shadow:4px 4px 4px 4px rgb(99, 182,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9143, 0.2467, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 182, 192) }
```

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

```
.background{ background-color: rgb(99, 182,  
192) }
```

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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