

Converting Colors

$Y_{xy}(39.1478, 0.2513, 0.3161)$

Have a look what the booklet for
Yxy(39.1478, 0.2513, 0.3161)
contains.

Yxy(39.2164, 0.2512, 0.3167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(39.2164, 0.2512, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	68B4BC
RGB	104, 180, 188
RGB Percent	41%, 71%, 74%
CMY	0.5922, 0.2941, 0.2627
CMYK	0.45, 0.04, 0.00, 0.26
HSL	186°, 39%, 57%
HSV	186°, 45%, 74%
XYZ	31.1057, 39.2164, 53.5062
YIQ	158.1880, -47.8640, -13.6240

Conversions

Conversions Part 2

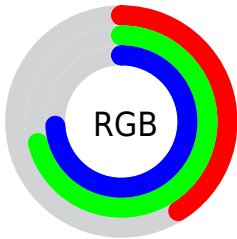
Format	Color
RYB	104, 144, 188
Decimal	6862012
CIELab	68.91, -21.42, -11.43
CIElCh	69, 24.278, 208.095
Yxy	39.2164, 0.2512, 0.3167
Android (android.graphics.Color)	4285052092 (0xFF68B4BC)
YUV	158.1880, 14.6973, -47.5229
Hunter-Lab	62.6230, -20.9270, -6.8223

Details

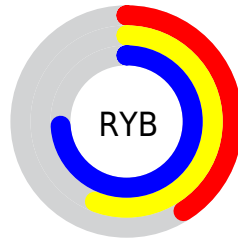
The Yxy color **39.2164, 0.2512, 0.3167** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2745, 0.4247, 0.3405**, and the grayscale version is **34.2293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9961, 0.2627, 0.3197**, and **17.5324, 0.2334, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **37.4981, 0.2408, 0.3135**, and if you desaturate by 10%, it is **41.1979, 0.2631, 0.3198**.

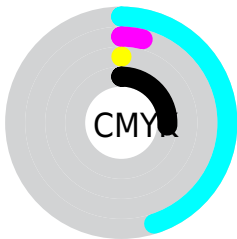
Distribution



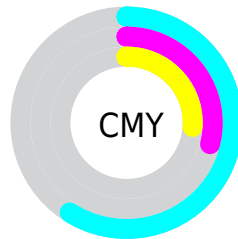
- Red (41%)
- Green (71%)
- Blue (74%)



- Red (41%)
- Yellow (56%)
- Blue (74%)



- Cyan (45%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)





- Cyan (59%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2164, 0.2512, 0.3167 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 39.2164, 0.2512, 0.3167 by changing the saturation by 10% instead.


 39.2164, 0.2512,
0.3167

 39.2164, 0.2512,
0.3167

342.8097, 0.2822,
0.3237


 26.9281, 0.2434,
0.3147


 73.9688, 0.2625,
0.3195

 17.5192, 0.2334,
0.3119


 97.2017, 0.2667,
0.3204

 10.6054, 0.2202,
0.3079


 124.8516, 0.2703,
0.3212

 5.8022, 0.2017,
0.3017

 157.3028, 0.2734,
0.3219

 2.7252, 0.1746,
0.2912

194.9399, 0.2760,
0.3224

 0.9900, 0.1154,
0.2755

238.1471, 0.2783,

 0.0000, 0.0000,

0.3229

0.0000

287.3089, 0.2804,
0.3233

■ 39.2164, 0.2512,
0.3167

■ 39.2164, 0.2512,
0.3167

■ 37.4981, 0.2408,
0.3135

■ 41.1979, 0.2631,
0.3198

■ 36.0214, 0.2322,
0.3103

■ 43.4533, 0.2763,
0.3227

■ 34.7689, 0.2255,
0.3070

■ 45.9982, 0.2906,
0.3254

■ 33.7188, 0.2206,
0.3038

■ 48.8458, 0.3055,
0.3279


■ 32.8444, 0.2176,
0.3005

■ 52.0084, 0.3209,
0.3302

 32.4221, 0.2164,
0.2988

 55.4976, 0.3365,
0.3323

 59.3243, 0.3520,
0.3341

 63.4992, 0.3672,
0.3358

 64.4182, 0.3673,
0.3376

Harmonies

Analogous

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



39.2164, 0.2720, 0.3515



39.2164, 0.2512, 0.3167



39.2164, 0.2461, 0.2881

Triad

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



39.2164, 0.2512, 0.3167



39.2164, 0.3181, 0.2840



39.2164, 0.3696, 0.3863

Complementary

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



39.2164, 0.2512, 0.3167



23.2745, 0.4247, 0.3405

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.



39.2164, 0.3840, 0.3643



39.2164, 0.2512, 0.3167



39.2164, 0.3536, 0.3068

Square

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



39.2164, 0.2512, 0.3167



39.2164, 0.2831, 0.2716



39.2164, 0.3782, 0.3355



39.2164, 0.3400, 0.3935

Rectangle

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



39.2164, 0.2512, 0.3167



39.2164, 0.2518, 0.2761



39.2164, 0.3782, 0.3355



39.2164, 0.3764, 0.3802

Sweetspot

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



39.2179, 0.2512, 0.3167



84.0915, 0.2927, 0.3258



40.0560, 0.3019, 0.4553



17.8501, 0.2895, 0.3252



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.



39.2179, 0.2512, 0.3167



67.9033, 0.2407, 0.3135



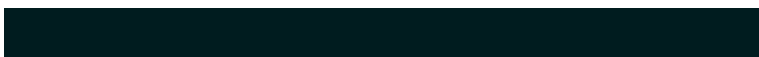
25.0360, 0.2397, 0.2499



10.6501, 0.2985, 0.3267



22.1340, 0.2165, 0.2992



0.9126, 0.2186, 0.3069

Inverse Universe

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



23.8847, 0.3268, 0.2301



36.9383, 0.3306, 0.2104



34.4711, 0.3979, 0.3961



9.6802, 0.3152, 0.3085



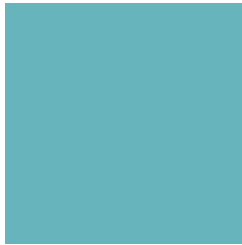
9.2641, 0.3461, 0.1680



0.3675, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 39.2164, 0.2512, 0.3167 looks on a white background.

Color Contrast Check

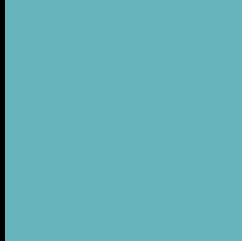
Large Text (above 18pt) WCAG AA × Fail

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 39.2164, 0.2512, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

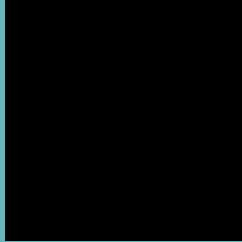
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.2164, 0.2512, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 39.2164, 0.2512, 0.3167.

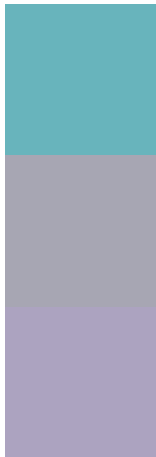


This preview shows how white text looks on a background with the Yxy color 39.2164, 0.2512, 0.3167.

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

39.2164, 0.2512, 0.3167

Protanopia

38.7426, 0.3027, 0.3110

Deuteranopia

38.7708, 0.2965, 0.2901



Tritanopia

39.1994, 0.2486, 0.3064

Trichromacy



Original Color

39.2164, 0.2512, 0.3167

Protanomaly

38.4325, 0.2810, 0.3130

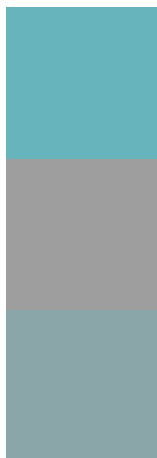
Deuteranomaly

38.3406, 0.2766, 0.2977

Tritanomaly

39.0492, 0.2492, 0.3093

Monochromacy



Original Color

39.2164, 0.2512, 0.3167

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.5403, 0.2855, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2164, 0.2512, 0.3167 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(104, 180, 188)` looks like.

```
.text, #text, p{  
    color:rgb(104, 180, 188)  
}
```

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(104, 180, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 180, 188) }
```

Border

The CSS property to change the border of an element to Yxy 39.2164, 0.2512, 0.3167 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(104, 180, 188) }
```

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

```
.border{ border-color:rgb(104, 180, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 180, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 180, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 180, 188);  
box-shadow:4px 4px 4px 4px rgb(104, 180,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2164, 0.2512, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 180, 188) }
```

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

```
.background{ background-color: rgb(104,  
180, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor