

Converting Colors

$Y_{xy}(51.8433, 0.2511, 0.3460)$

Have a look what the booklet for
Yxy(51.8433, 0.2511, 0.3460)
contains.

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Color

Yxy(51.6939, 0.2513, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	62D0C4
RGB	98, 208, 196
RGB Percent	38%, 82%, 77%
CMY	0.6152, 0.1844, 0.2313
CMYK	0.53, 0.00, 0.06, 0.18
HSL	173°, 54%, 60%
HSV	173°, 53%, 82%
XYZ	37.5670, 51.6939, 60.2298
YIQ	173.7420, -61.7080, -27.0520

Conversions

Conversions Part 2

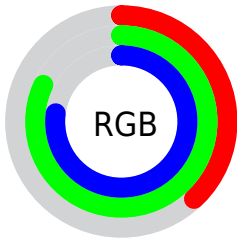
Format	Color
RYB	98, 156, 208
Decimal	6475972
CIELab	77.10, -34.34, -3.66
CIElCh	77, 34.539, 186.091
Yxy	51.6939, 0.2513, 0.3458
Android (android.graphics.Color)	4284666052 (0xFF62D0C4)
YUV	173.7420, 10.9732, -66.4257
Hunter-Lab	71.8985, -32.5559, 0.6613

Details

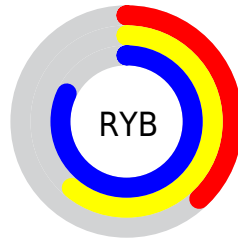
The Yxy color **51.6939, 0.2513, 0.3458** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.2940, 0.4486, 0.3147**, and the grayscale version is **42.1708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7799, 0.2601, 0.3311**, and **24.9967, 0.2353, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **50.5813, 0.2443, 0.3495**, and if you desaturate by 10%, it is **53.1128, 0.2601, 0.3422**.

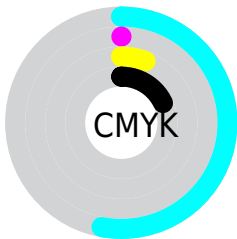
Distribution



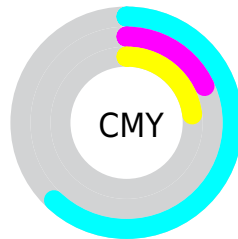
- Red (38%)
- Green (82%)
- Blue (77%)



- Red (38%)
- Yellow (61%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6939, 0.2513, 0.3458 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 51.6939, 0.2513, 0.3458 by changing the saturation by 10% instead.


 51.6939, 0.2513,
0.3458


 51.6939, 0.2513,
0.3458


393.2538, 0.2811,
0.3380


 36.7611, 0.2442,
0.3476


 92.6797, 0.2619,
0.3431


 25.0226, 0.2352,
0.3498


 119.5014, 0.2660,
0.3420

 16.0939, 0.2235,
0.3525


 151.0550, 0.2694,
0.3411

 9.5906, 0.2078,
0.3561

 187.7248, 0.2724,
0.3403

 5.1284, 0.1856,
0.3607

229.8952, 0.2750,
0.3396

 2.3228, 0.1525,
0.3665

277.9505, 0.2773,

 0.7857, 0.0000,

0.3390

0.4124

332.2753, 0.2793,
0.3385

0.0000, 0.0000,
0.0000

51.6939, 0.2513,
0.3458

51.6939, 0.2513,
0.3458

50.5813, 0.2443,
0.3495

53.1128, 0.2601,
0.3422

49.7450, 0.2391,
0.3533

54.8532, 0.2706,
0.3388

49.1599, 0.2359,
0.3571

56.9363, 0.2823,
0.3355

48.7929, 0.2345,
0.3608

59.3801, 0.2952,
0.3325

48.6227, 0.2343,
0.3635

62.2010, 0.3088,
0.3297

■ 65.4146, 0.3229,
0.3272

■ 69.0356, 0.3372,
0.3250

■ 71.2291, 0.3442,
0.3228

■ 71.3459, 0.3425,
0.3205

Harmonies

Analogous

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



51.6939, 0.2891, 0.3889



51.6939, 0.2513, 0.3458



51.6939, 0.2304, 0.3009

Triad

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



51.6939, 0.2513, 0.3458



51.6939, 0.2853, 0.2588



51.6939, 0.4024, 0.3820

Complementary

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



51.6939, 0.2513, 0.3458



23.2940, 0.4486, 0.3147

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.



51.6939, 0.4027, 0.3463



51.6939, 0.2513, 0.3458



51.6939, 0.3321, 0.2784

Square

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



51.6939, 0.2513, 0.3458



51.6939, 0.2489, 0.2548



51.6939, 0.3762, 0.3094



51.6939, 0.3769, 0.4076

Rectangle

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



51.6939, 0.2513, 0.3458



51.6939, 0.2276, 0.2776



51.6939, 0.3762, 0.3094



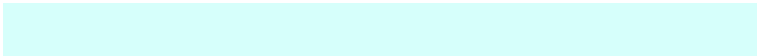
51.6939, 0.4056, 0.3707

Sweetspot

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



51.6959, 0.2513, 0.3458



92.7831, 0.2908, 0.3335



49.3660, 0.3127, 0.4930



19.6852, 0.2881, 0.3341



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.6959, 0.2513, 0.3458



80.0613, 0.2437, 0.3499



34.3830, 0.2327, 0.2662



13.3840, 0.2997, 0.3315



30.3168, 0.2342, 0.3629



1.7016, 0.2322, 0.3561

Inverse Universe

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



23.2940, 0.4486, 0.3147



30.4945, 0.4952, 0.3133



33.1177, 0.4338, 0.3818



11.8289, 0.3274, 0.3265



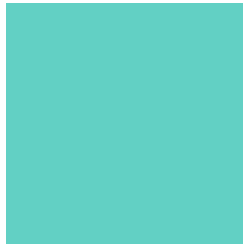
8.4026, 0.6260, 0.3222



0.4771, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 51.6939, 0.2513, 0.3458 looks on a white background.

Color Contrast Check

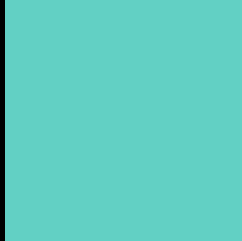
Large Text (above 18pt) WCAG AA × Fail

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 51.6939, 0.2513, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

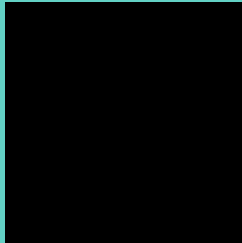
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

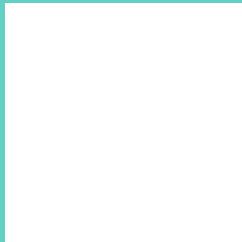
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6939, 0.2513, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 51.6939, 0.2513, 0.3458.

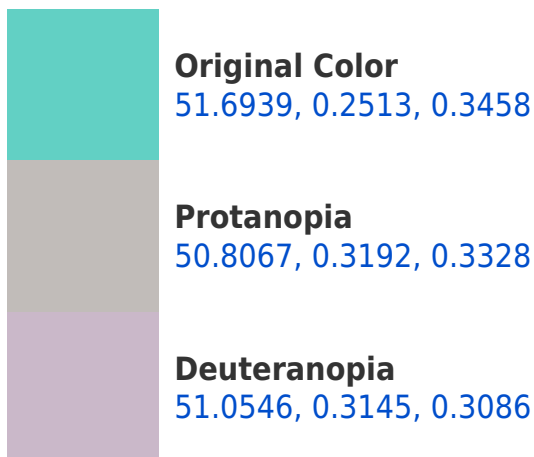


This preview shows how white text looks on a background with the Yxy color 51.6939, 0.2513, 0.3458.

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





Tritanopia

51.5320, 0.2417, 0.3059

Trichromacy



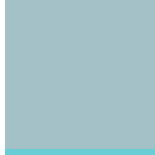
Original Color

51.6939, 0.2513, 0.3458



Protanomaly

49.9734, 0.2886, 0.3370



Deuteranomaly

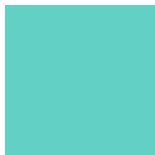
50.1560, 0.2861, 0.3211



Tritanomaly

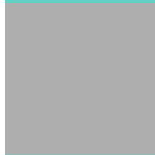
51.3592, 0.2450, 0.3192

Monochromacy



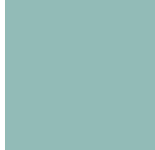
Original Color

51.6939, 0.2513, 0.3458



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.6062, 0.2839, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6939, 0.2513, 0.3458 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(98, 208, 196)` looks like.

```
.text, #text, p{  
    color:rgb(98, 208, 196)  
}
```

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(98, 208, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 208, 196) }
```

Border

The CSS property to change the border of an element to Yxy 51.6939, 0.2513, 0.3458 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(98, 208, 196) }
```

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

```
.border{ border-color:rgb(98, 208, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 208, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 208, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 208, 196);  
box-shadow:4px 4px 4px 4px rgb(98, 208,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6939, 0.2513, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 208, 196) }
```

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

```
.background{ background-color: rgb(98, 208,  
196) }
```

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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