

Converting Colors

$Y_{xy}(39.0172, 0.2683, 0.3551)$

Have a look what the booklet for
Yxy(39.0172, 0.2683, 0.3551)
contains.

Yxy(38.9525, 0.2681, 0.3541)	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(38.9525, 0.2681, 0.3541)

Conversions

Conversions Part 1	
Format	Color
Hex	6CB5A5
RGB	108, 181, 165
RGB Percent	42%, 71%, 65%
CMY	0.5768, 0.2901, 0.3530
CMYK	0.40, 0.00, 0.09, 0.29
HSL	167°, 33%, 57%
HSV	167°, 40%, 71%
XYZ	29.4921, 38.9525, 41.5596
YIQ	157.3490, -38.3720, -20.4520

Conversions

Conversions Part 2

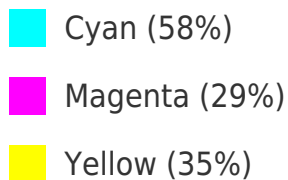
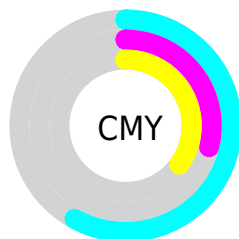
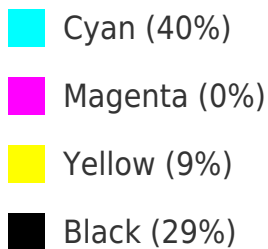
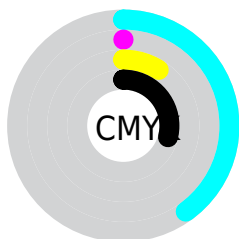
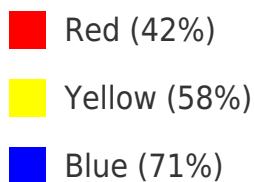
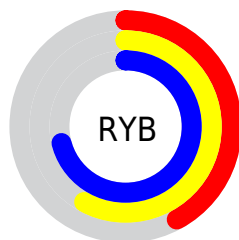
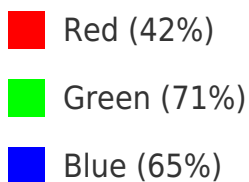
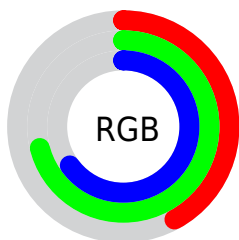
Format	Color
RYB	108, 149, 181
Decimal	7124389
CIELab	68.72, -26.66, 0.99
CIELCh	69, 26.677, 177.882
Yxy	38.9525, 0.2681, 0.3541
Android (android.graphics.Color)	4285314469 (0xFF6CB5A5)
YUV	157.3490, 3.7719, -43.2791
Hunter-Lab	62.4119, -24.8725, 4.2076

Details

The Yxy color **38.9525, 0.2681, 0.3541** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.9880, 0.3904, 0.3060**, and the grayscale version is **33.8707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5222, 0.2768, 0.3490**, and **17.4149, 0.2547, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **37.7932, 0.2598, 0.3615**, and if you desaturate by 10%, it is **40.3549, 0.2778, 0.3471**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9525, 0.2681, 0.3541 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 38.9525, 0.2681, 0.3541 by changing the saturation by 10% instead.


 38.9525, 0.2681,
0.3541


 38.9525, 0.2681,
0.3541


341.6885, 0.2910,
0.3412


 26.7228, 0.2622,
0.3575


 73.5657, 0.2766,
0.3493


 17.3651, 0.2545,
0.3619


 96.7181, 0.2797,
0.3475

 10.4952, 0.2440,
0.3679


 124.2800, 0.2824,
0.3460

 5.7285, 0.2290,
0.3765

 156.6361, 0.2846,
0.3448

 2.6807, 0.2058,
0.3901

194.1705, 0.2865,
0.3437

 0.9674, 0.1202,
0.4366


237.2678, 0.2882,

 0.0000, 0.0000,

0.3427


0.0000

286.3123, 0.2897,
0.3419


 38.9525, 0.2681,
0.3541


 38.9525, 0.2681,
0.3541

 37.7932, 0.2598,
0.3615

 40.3549, 0.2778,
0.3471


 36.8577, 0.2531,
0.3692

 42.0093, 0.2886,
0.3406


 36.1311, 0.2482,
0.3771


 43.9297, 0.3001,
0.3346

 35.5948, 0.2453,
0.3851


 46.1277, 0.3122,
0.3292


 35.2267, 0.2443,
0.3931


 48.6142, 0.3247,
0.3243

 34.9877, 0.2447,
0.4007

 51.3997, 0.3371,
0.3199

 54.4939, 0.3495,
0.3161

 57.9061, 0.3617,
0.3127

 58.5173, 0.3602,
0.3087

Harmonies

Analogous

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



38.9525, 0.3034, 0.3867



38.9525, 0.2681, 0.3541



38.9525, 0.2454, 0.3154

Triad

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



38.9525, 0.2681, 0.3541



38.9525, 0.2798, 0.2662



38.9525, 0.3913, 0.3672

Complementary

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



38.9525, 0.2681, 0.3541



21.9880, 0.3904, 0.3060

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.



38.9525, 0.3848, 0.3356



38.9525, 0.2681, 0.3541



38.9525, 0.3183, 0.2797

Square

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



38.9525, 0.2681, 0.3541



38.9525, 0.2519, 0.2671



38.9525, 0.3574, 0.3044



38.9525, 0.3753, 0.3917

Rectangle

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



38.9525, 0.2681, 0.3541



38.9525, 0.2396, 0.2931



38.9525, 0.3574, 0.3044



38.9525, 0.3917, 0.3571

Sweetspot

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



38.9541, 0.2681, 0.3541



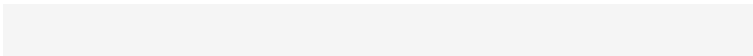
77.9993, 0.2980, 0.3357



38.4936, 0.3207, 0.4460



16.7604, 0.2965, 0.3364



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.9541, 0.2681, 0.3541



67.9741, 0.2610, 0.3603



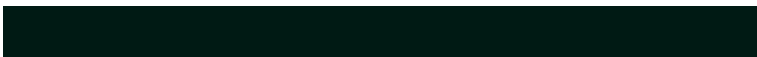
32.1934, 0.2532, 0.2980



9.5990, 0.3014, 0.3340



24.1257, 0.2444, 0.3997



0.7670, 0.2382, 0.3776

Inverse Universe

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



21.9880, 0.3904, 0.3060



33.6075, 0.4157, 0.3016



26.1925, 0.4013, 0.3575



8.5348, 0.3254, 0.3240



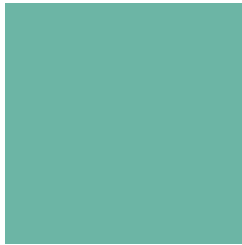
6.8851, 0.5990, 0.3073



0.2253, 0.5224, 0.2651

Previews

White Background



This preview shows how the Yxy color 38.9525, 0.2681, 0.3541 looks on a white background.

Color Contrast Check

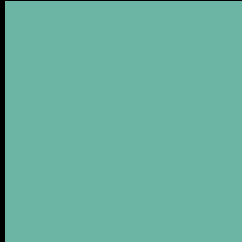
Large Text (above 18pt) WCAG AA × Fail

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 38.9525, 0.2681, 0.3541 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 38.9525, 0.2681, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 38.9525, 0.2681, 0.3541.

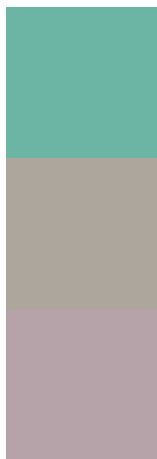


This preview shows how white text looks on a background with the Yxy color 38.9525, 0.2681, 0.3541.

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

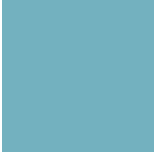
38.9525, 0.2681, 0.3541

Protanopia

38.4774, 0.3262, 0.3417

Deuteranopia

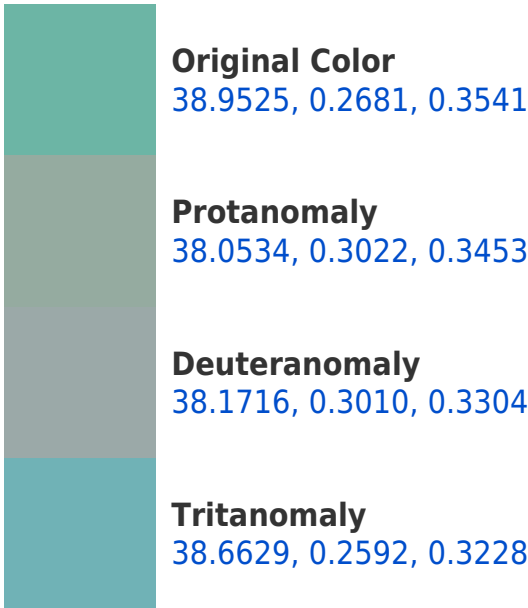
38.6503, 0.3255, 0.3196



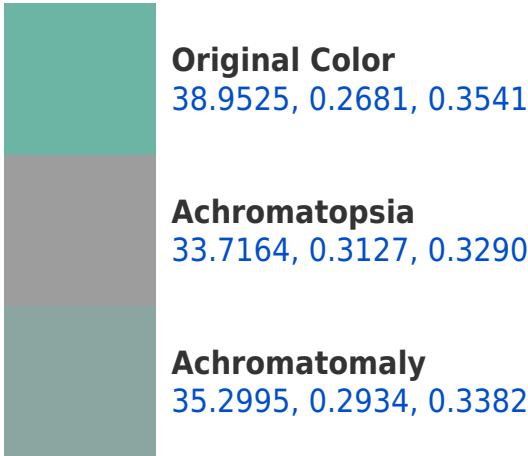
Tritanopia

38.8507, 0.2552, 0.3080

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9525, 0.2681, 0.3541 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(108, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(108, 181, 165)  
}
```

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(108, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 181, 165) }
```

Border

The CSS property to change the border of an element to Yxy 38.9525, 0.2681, 0.3541 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(108, 181, 165) }
```

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

```
.border{ border-color:rgb(108, 181, 165) }
```

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

Here you see how a box with a 4 pixel rgb(108, 181, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(108, 181,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9525, 0.2681, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 181, 165) }
```

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

```
.background{ background-color: rgb(108,  
181, 165) }
```

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