

Converting Colors

Yxy(51.5574, 0.3268, 0.4354)

Have a look what the booklet for
Yxy(51.5574, 0.3268, 0.4354)
contains.

Yxy(51.5881, 0.3275, 0.4360)	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(51.5881, 0.3275, 0.4360)

Conversions

Conversions Part 1

Format	Color
Hex	9ACC7F
RGB	154, 204, 127
RGB Percent	60%, 80%, 50%
CMY	0.3960, 0.2000, 0.5021
CMYK	0.25, 0.00, 0.38, 0.20
HSL	99°, 43%, 65%
HSV	99°, 38%, 80%
XYZ	38.7502, 51.5881, 27.9830
YIQ	180.2720, -5.0830, -34.5470

Conversions

Conversions Part 2

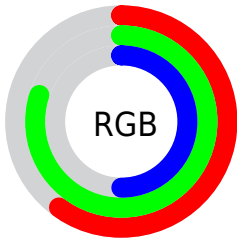
Format	Color
RYB	127, 204, 177
Decimal	10144895
CIELab	77.03, -30.26, 33.25
CIELCh	77, 44.953, 132.306
Yxy	51.5881, 0.3275, 0.4360
Android (android.graphics.Color)	4288334975 (0xFF9ACC7F)
YUV	180.2720, -26.2631, -23.0405
Hunter-Lab	71.8249, -29.3909, 27.1780

Details

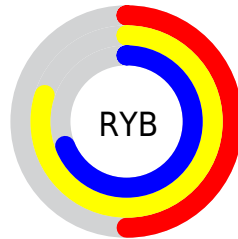
The Yxy color **51.5881, 0.3275, 0.4360** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.8735, 0.2900, 0.2287**, and the grayscale version is **45.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5578, 0.3267, 0.4094**, and **25.1152, 0.3282, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **49.8829, 0.3299, 0.4679**, and if you desaturate by 10%, it is **53.5487, 0.3242, 0.4049**.

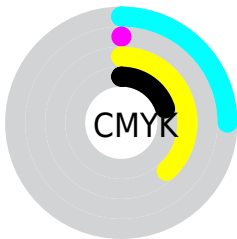
Distribution



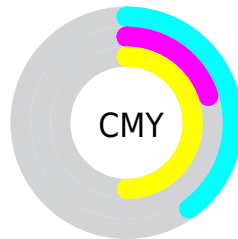
- Red (60%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (69%)



- Cyan (25%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)





- Cyan (40%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5881, 0.3275, 0.4360 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 51.5881, 0.3275, 0.4360 by changing the saturation by 10% instead.

 51.5881, 0.3275,
0.4360


 51.5881, 0.3275,
0.4360

392.8444, 0.3220,
0.3810

 36.6769, 0.3282,
0.4500


 92.5235, 0.3260,
0.4157

 24.9574, 0.3286,
0.4682


 119.3164, 0.3253,
0.4082

 16.0453, 0.3284,
0.4924


 150.8387, 0.3246,
0.4019

 9.5562, 0.3265,
0.5259

187.4748, 0.3240,
0.3964

 5.1057, 0.3202,
0.5747

229.6090, 0.3234,
0.3918

 2.3094, 0.3170,
0.6830

277.6257, 0.3229,

 0.7787, 0.0019,

0.3877

0.9981

331.9094, 0.3224,
0.3841

0.0000, 0.0000,
0.0000

51.5881, 0.3275,
0.4360

51.5881, 0.3275,
0.4360

49.8829, 0.3299,
0.4679

53.5487, 0.3242,
0.4049

48.4154, 0.3310,
0.4990

55.7684, 0.3203,
0.3755

47.1755, 0.3306,
0.5277


58.2593, 0.3161,
0.3483

46.1498, 0.3284,
0.5522


61.0306, 0.3117,
0.3237


45.3234, 0.3246,
0.5708

64.0910, 0.3074,
0.3017

 44.6765, 0.3196,
0.5830

 67.4491, 0.3033,
0.2821

 44.5505, 0.3185,
0.5853

 70.1243, 0.3090,
0.2782

 71.6675, 0.3151,
0.2792

Harmonies

Analogous

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



51.5881, 0.3842, 0.4346



51.5881, 0.3275, 0.4360



51.5881, 0.2697, 0.3983

Triad

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



51.5881, 0.3275, 0.4360



51.5881, 0.2104, 0.2456



51.5881, 0.4053, 0.3122

Complementary

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



51.5881, 0.3275, 0.4360



28.8735, 0.2900, 0.2287

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.



51.5881, 0.3502, 0.2717



51.5881, 0.3275, 0.4360



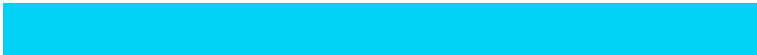
51.5881, 0.2389, 0.2342

Square

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



51.5881, 0.3275, 0.4360



51.5881, 0.2058, 0.2808



51.5881, 0.2885, 0.2440



51.5881, 0.4328, 0.3586

Rectangle

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



51.5881, 0.3275, 0.4360



51.5881, 0.2384, 0.3582



51.5881, 0.2885, 0.2440



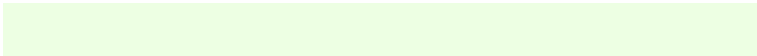
51.5881, 0.3890, 0.2977

Sweetspot

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



51.5903, 0.3275, 0.4360



95.0329, 0.3175, 0.3572



45.3253, 0.3810, 0.3907



20.2184, 0.3181, 0.3609



0.0000, 0.0000, 0.0000



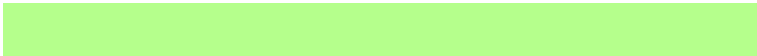
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5903, 0.3275, 0.4360



83.1883, 0.3295, 0.4609



49.5103, 0.3010, 0.4273



12.7253, 0.3168, 0.3526



28.0868, 0.3194, 0.5846



1.4911, 0.3351, 0.5721

Inverse Universe

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



28.8735, 0.2900, 0.2287



40.4535, 0.2836, 0.2071



31.8921, 0.3274, 0.2474



11.1990, 0.3083, 0.3058



5.9048, 0.2349, 0.1068



0.3460, 0.2519, 0.1162

Previews

White Background



This preview shows how the Yxy color 51.5881, 0.3275, 0.4360 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 51.5881, 0.3275, 0.4360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

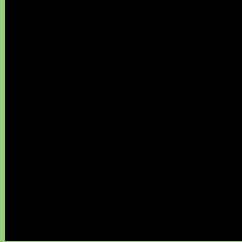
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5881, 0.3275, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 51.5881, 0.3275, 0.4360.



This preview shows how white text looks on a background with the Yxy color 51.5881, 0.3275, 0.4360.

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

51.5881, 0.3275, 0.4360

Protanopia

51.3292, 0.3811, 0.4134

Deuteranopia

50.8824, 0.3948, 0.3859



Tritanopia

51.4025, 0.2817, 0.3098

Trichromacy



Original Color

51.5881, 0.3275, 0.4360

Protanomaly

51.0251, 0.3605, 0.4220

Deuteranomaly

50.2863, 0.3692, 0.4032

Tritanomaly

51.3242, 0.2985, 0.3544

Monochromacy



Original Color

51.5881, 0.3275, 0.4360

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.6263, 0.3192, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5881, 0.3275, 0.4360 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(154, 204, 127)` looks like.

```
.text, #text, p{  
    color:rgb(154, 204, 127)  
}
```

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(154, 204, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 204, 127) }
```

Border

The CSS property to change the border of an element to Yxy 51.5881, 0.3275, 0.4360 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(154, 204, 127) }
```

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

```
.border{ border-color:rgb(154, 204, 127) }
```

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

Here you see how a box with a 4 pixel rgb(154, 204, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 204, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 204, 127);  
box-shadow:4px 4px 4px 4px rgb(154, 204,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5881, 0.3275, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 204, 127) }
```

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

```
.background{ background-color: rgb(154,  
204, 127) }
```

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