

Converting Colors

$Yxy(38.6705, 0.2950, 0.3796)$

Have a look what the booklet for
Yxy(38.6705, 0.2950, 0.3796)
contains.

Yxy(38.5053, 0.2955, 0.3791)	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(38.5053, 0.2955, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	80B292
RGB	128, 178, 146
RGB Percent	50%, 70%, 57%
CMY	0.4980, 0.3020, 0.4274
CMYK	0.28, 0.00, 0.18, 0.30
HSL	142°, 25%, 60%
HSV	142°, 28%, 70%
XYZ	30.0140, 38.5053, 33.0510
YIQ	159.4020, -19.5280, -20.5520

Conversions

Conversions Part 2

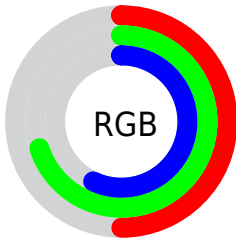
Format	Color
RYB	128, 165, 178
Decimal	8434322
CIELab	68.39, -23.27, 11.09
CIELCh	68, 25.778, 154.518
Yxy	38.5053, 0.2955, 0.3791
Android (android.graphics.Color)	4286624402 (0xFF80B292)
YUV	159.4020, -6.6072, -27.5396
Hunter-Lab	62.0526, -22.2541, 11.8573

Details

The Yxy color **38.5053, 0.2955, 0.3791** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.4469, 0.3353, 0.2838**, and the grayscale version is **34.9053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9609, 0.2991, 0.3690**, and **17.0712, 0.2898, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **36.9082, 0.2901, 0.4006**, and if you desaturate by 10%, it is **40.3831, 0.3014, 0.3595**.

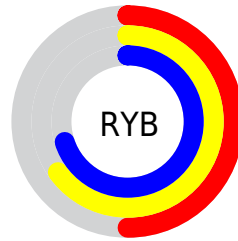
Distribution



Red (50%)

Green (70%)

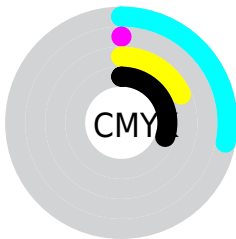
Blue (57%)



Red (50%)

Yellow (65%)

Blue (70%)

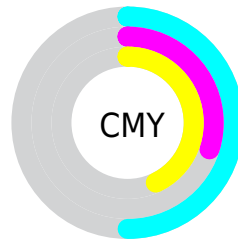


Cyan (28%)

Magenta (0%)

Yellow (18%)

Black (30%)



Cyan (50%)


Magenta (30%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5053, 0.2955, 0.3791 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 38.5053, 0.2955, 0.3791 by changing the saturation by 10% instead.


 38.5053, 0.2955,
0.3791


 38.5053, 0.2955,
0.3791


339.7826, 0.3048,
0.3524

 26.3751, 0.2929,
0.3864


 72.8820, 0.2991,
0.3690

 17.1045, 0.2895,
0.3961


 95.8972, 0.3003,
0.3653

 10.3090, 0.2846,
0.4097


 123.3096, 0.3014,
0.3623

 5.6043, 0.2771,
0.4301

155.5036, 0.3023,
0.3597

 2.6060, 0.2643,
0.4642

192.8635, 0.3031,
0.3575

 0.9297, 0.2127,
0.6279

235.7737, 0.3037,

 0.0000, 0.0000,

0.3556

0.0000

284.6186, 0.3043,
0.3539

■ 38.5053, 0.2955,
0.3791

■ 38.5053, 0.2955,
0.3791

■ 36.9082, 0.2901,
0.4006

■ 40.3831, 0.3014,
0.3595

■ 35.5733, 0.2854,
0.4237

■ 42.5494, 0.3076,
0.3418

■ 34.4873, 0.2820,
0.4479


■ 45.0179, 0.3139,
0.3261


■ 33.6338, 0.2799,
0.4726


■ 47.7997, 0.3201,
0.3123


■ 32.9943, 0.2795,
0.4968


■ 50.9054, 0.3261,
0.3001

 32.5475, 0.2809,
0.5195


 54.3453, 0.3319,
0.2895

 32.2590, 0.2838,
0.5399

 58.1289, 0.3374,
0.2803

 32.2114, 0.2843,
0.5436

 59.2228, 0.3301,
0.2698

 59.9105, 0.3212,
0.2594

Harmonies

Analogous

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



38.5053, 0.3337, 0.3970



38.5053, 0.2955, 0.3791



38.5053, 0.2633, 0.3451

Triad

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



38.5053, 0.2955, 0.3791



38.5053, 0.2584, 0.2674



38.5053, 0.3860, 0.3425

Complementary

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



38.5053, 0.2955, 0.3791



27.4469, 0.3353, 0.2838

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.



38.5053, 0.3633, 0.3115



38.5053, 0.2955, 0.3791



38.5053, 0.2884, 0.2697

Square

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



38.5053, 0.2955, 0.3791



38.5053, 0.2429, 0.2805



38.5053, 0.3269, 0.2855



38.5053, 0.3873, 0.3724

Rectangle

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



38.5053, 0.2955, 0.3791



38.5053, 0.2490, 0.3200



38.5053, 0.3269, 0.2855



38.5053, 0.3806, 0.3320

Sweetspot

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



38.5069, 0.2955, 0.3791



77.1367, 0.3076, 0.3419



40.9252, 0.3379, 0.4018



16.9518, 0.3067, 0.3445



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.



38.5069, 0.2955, 0.3791



67.8879, 0.2919, 0.3929



39.3524, 0.2778, 0.3402



9.5390, 0.3069, 0.3439



23.0592, 0.2838, 0.5415



0.7370, 0.2671, 0.4817

Inverse Universe

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



27.4469, 0.3353, 0.2838



44.3392, 0.3421, 0.2730



26.6726, 0.3638, 0.3182



8.5937, 0.3191, 0.3145



7.6524, 0.4358, 0.2175



0.2515, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 38.5053, 0.2955, 0.3791 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 38.5053, 0.2955, 0.3791 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 38.5053, 0.2955, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 38.5053, 0.2955, 0.3791.



This preview shows how white text looks on a background with the Yxy color 38.5053, 0.2955, 0.3791.

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

38.5053, 0.2955, 0.3791

Protanopia

38.2798, 0.3445, 0.3659

Deuteranopia

38.0350, 0.3497, 0.3427



Tritanopia

38.2845, 0.2721, 0.3085

Trichromacy



Original Color

38.5053, 0.2955, 0.3791

Protanomaly

37.9715, 0.3255, 0.3705

Deuteranomaly

37.9144, 0.3275, 0.3550

Tritanomaly

38.1989, 0.2807, 0.3334

Monochromacy



Original Color

38.5053, 0.2955, 0.3791

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.9014, 0.3064, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5053, 0.2955, 0.3791 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(128, 178, 146)` looks like.

```
.text, #text, p{  
    color:rgb(128, 178, 146)  
}
```

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(128, 178, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 178, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.5053, 0.2955, 0.3791 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(128, 178, 146) }
```

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

```
.border{ border-color:rgb(128, 178, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 178, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 178, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 178, 146);  
box-shadow:4px 4px 4px 4px rgb(128, 178,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5053, 0.2955, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 178, 146) }
```

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

```
.background{ background-color: rgb(128,  
178, 146) }
```

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