

Converting Colors

$Yxy(41.8306, 0.3088, 0.3778)$

Have a look what the booklet for
Yxy(41.8306, 0.3088, 0.3778)
contains.

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Color

Yxy(41.8289, 0.3088, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	93B695
RGB	147, 182, 149
RGB Percent	58%, 71%, 58%
CMY	0.4234, 0.2863, 0.4157
CMYK	0.19, 0.00, 0.18, 0.29
HSL	123°, 19%, 65%
HSV	123°, 19%, 71%
XYZ	34.1894, 41.8289, 34.6987
YIQ	167.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

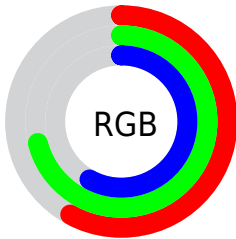
Format	Color
RYB	147, 180, 182
Decimal	9680533
CIELab	70.75, -18.34, 12.96
CIELCh	71, 22.460, 144.745
Yxy	41.8289, 0.3088, 0.3778
Android (android.graphics.Color)	4287870613 (0xFF93B695)
YUV	167.7730, -9.2551, -18.2179
Hunter-Lab	64.6753, -18.8209, 13.4632

Details

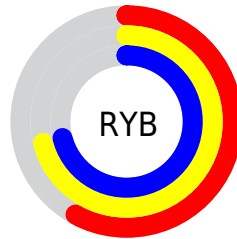
The Yxy color **41.8289, 0.3088, 0.3778** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1216, 0.3167, 0.2846**, and the grayscale version is **39.0944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8784, 0.3096, 0.3684**, and **19.0692, 0.3074, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **39.7696, 0.3066, 0.4077**, and if you desaturate by 10%, it is **44.2390, 0.3109, 0.3509**.

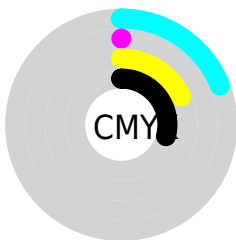
Distribution



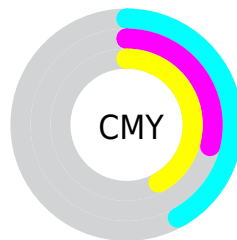
- Red (58%)
- Green (71%)
- Blue (58%)



- Red (58%)
- Yellow (71%)
- Blue (71%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)





- Cyan (42%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8289, 0.3088, 0.3778 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 41.8289, 0.3088, 0.3778 by changing the saturation by 10% instead.


 41.8289, 0.3088,
0.3778


 41.8289, 0.3088,
0.3778


353.7732, 0.3112,
0.3522

 28.9673, 0.3081,
0.3846


 77.9406, 0.3098,
0.3682

 19.0561, 0.3070,
0.3936


 101.9595, 0.3101,
0.3647

 11.7108, 0.3054,
0.4060

130.4664, 0.3104,
0.3618

 6.5471, 0.3028,
0.4242

163.8456, 0.3106,
0.3593

 3.1805, 0.2980,
0.4535

202.4814, 0.3108,
0.3571

 1.2267, 0.2972,
0.5333

246.7584, 0.3109,

 0.0833, 0.0000,

0.3553

1.0000

297.0608, 0.3111,
0.3537

0.0000, 0.0000,
0.0000

41.8289, 0.3088,
0.3778

41.8289, 0.3088,
0.3778

39.7696, 0.3066,
0.4077

44.2390, 0.3109,
0.3509

38.0396, 0.3045,
0.4402

47.0095, 0.3129,
0.3272

36.6236, 0.3025,
0.4742

50.1563, 0.3147,
0.3066

35.5027, 0.3008,
0.5078

53.6928, 0.3163,
0.2888

34.6560, 0.2995,
0.5390

57.6316, 0.3178,
0.2735

■ 34.0598, 0.2989,
0.5651

■ 61.7495, 0.3182,
0.2601

■ 33.6867, 0.2988,
0.5843

■ 61.9346, 0.3161,
0.2575

■ 33.4892, 0.2990,
0.5958

■ 33.4768, 0.2990,
0.5964

Harmonies

Analogous

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



41.8289, 0.3411, 0.3873



41.8289, 0.3088, 0.3778



41.8289, 0.2787, 0.3528

Triad

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



41.8289, 0.3088, 0.3778



41.8289, 0.2605, 0.2786



41.8289, 0.3702, 0.3321

Complementary

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



41.8289, 0.3088, 0.3778



34.1216, 0.3167, 0.2846

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.



41.8289, 0.3464, 0.3062



41.8289, 0.3088, 0.3778



41.8289, 0.2827, 0.2761

Square

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



41.8289, 0.3088, 0.3778



41.8289, 0.2518, 0.2945



41.8289, 0.3140, 0.2862



41.8289, 0.3776, 0.3587

Rectangle

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



41.8289, 0.3088, 0.3778



41.8289, 0.2636, 0.3319



41.8289, 0.3140, 0.2862



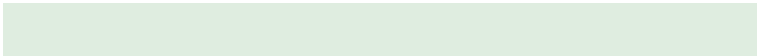
41.8289, 0.3638, 0.3231

Sweetspot

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



41.8307, 0.3088, 0.3778



81.6970, 0.3115, 0.3432



45.2956, 0.3396, 0.3763



17.9746, 0.3114, 0.3448



93.3107, 0.3127, 0.3290



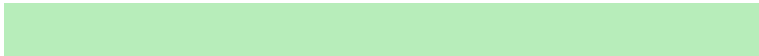
18.7317, 0.3127, 0.3290

Same Dimension

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



41.8307, 0.3088, 0.3778



74.2042, 0.3079, 0.3900



42.4242, 0.2958, 0.3517



10.0680, 0.3109, 0.3513



23.6452, 0.2988, 0.5957



0.8363, 0.2941, 0.5787

Inverse Universe

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



34.1216, 0.3167, 0.2846



57.6819, 0.3177, 0.2748



33.4604, 0.3336, 0.3073



9.1539, 0.3146, 0.3077



9.1263, 0.3352, 0.1620



0.3244, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 41.8289, 0.3088, 0.3778 looks on a white background.

Color Contrast Check

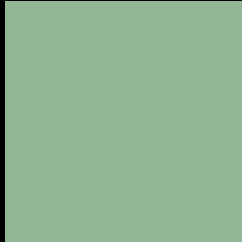
Large Text (above 18pt) WCAG AA × Fail

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 41.8289, 0.3088, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

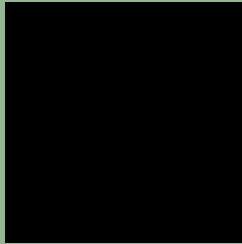
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8289, 0.3088, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 41.8289, 0.3088, 0.3778.



This preview shows how white text looks on a background with the Yxy color 41.8289, 0.3088, 0.3778.

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

41.8289, 0.3088, 0.3778

Protanopia

41.4637, 0.3462, 0.3674

Deuteranopia

41.4098, 0.3551, 0.3474



Tritanopia

41.6384, 0.2836, 0.3095

Trichromacy



Original Color

41.8289, 0.3088, 0.3778

Protanomaly

41.5610, 0.3313, 0.3714

Deuteranomaly

41.3231, 0.3372, 0.3579

Tritanomaly

41.5152, 0.2923, 0.3332

Monochromacy



Original Color

41.8289, 0.3088, 0.3778

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9339, 0.3110, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8289, 0.3088, 0.3778 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(147, 182, 149)` looks like.

```
.text, #text, p{  
    color:rgb(147, 182, 149)  
}
```

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(147, 182, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 182, 149) }
```

Border

The CSS property to change the border of an element to Yxy 41.8289, 0.3088, 0.3778 is called "border". The border property can be set on classes, ids or directly on the HTML element.

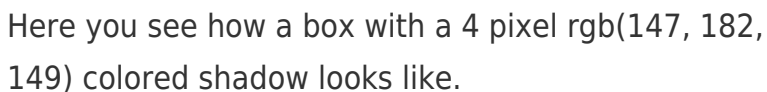
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 182, 149) }
```

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

```
.border{ border-color:rgb(147, 182, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 182, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 182, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 182, 149); box-shadow:4px 4px 4px 4px rgb(147, 182, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8289, 0.3088, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 182, 149) }
```

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

```
.background{ background-color: rgb(147,  
182, 149) }
```

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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