

Converting Colors

$Yxy(40.1637, 0.2865, 0.3847)$

Have a look what the booklet for
Yxy(40.1637, 0.2865, 0.3847)
contains.

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Color

Yxy(40.2706, 0.2868, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	76B894
RGB	118, 184, 148
RGB Percent	46%, 72%, 58%
CMY	0.5374, 0.2784, 0.4196
CMYK	0.36, 0.00, 0.20, 0.28
HSL	147°, 32%, 59%
HSV	147°, 36%, 72%
XYZ	29.9523, 40.2706, 34.2133
YIQ	160.1620, -27.7800, -25.1880

Conversions

Conversions Part 2

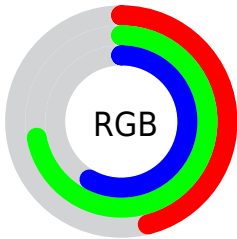
Format	Color
RYB	118, 163, 184
Decimal	7780500
CIELab	69.66, -28.98, 11.72
CIELCh	70, 31.261, 157.975
Yxy	40.2706, 0.2868, 0.3856
Android (android.graphics.Color)	4285970580 (0xFF76B894)
YUV	160.1620, -5.9959, -36.9761
Hunter-Lab	63.4591, -26.8026, 12.4558

Details

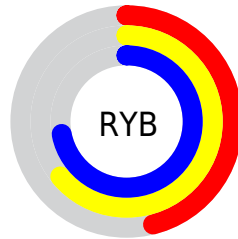
The Yxy color **40.2706, 0.2868, 0.3856** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.4691, 0.3512, 0.2789**, and the grayscale version is **35.2664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3551, 0.2920, 0.3740**, and **18.2539, 0.2786, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **38.8038, 0.2810, 0.4049**, and if you desaturate by 10%, it is **42.0195, 0.2935, 0.3678**.

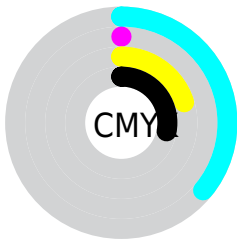
Distribution



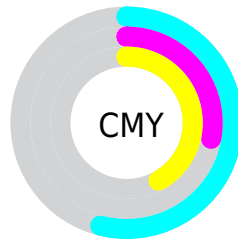
- Red (46%)
- Green (72%)
- Blue (58%)



- Red (46%)
- Yellow (64%)
- Blue (72%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (28%)



- Cyan (54%)
- Magenta (28%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2706, 0.2868, 0.3856 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 40.2706, 0.2868, 0.3856 by changing the saturation by 10% instead.


 40.2706, 0.2868,
0.3856


 40.2706, 0.2868,
0.3856


347.2628, 0.3006,
0.3555


 27.7496, 0.2831,
0.3937


 75.5754, 0.2920,
0.3742

 18.1370, 0.2781,
0.4046


 99.1280, 0.2939,
0.3701

 11.0484, 0.2711,
0.4197


 127.1265, 0.2955,
0.3666

 6.0994, 0.2607,
0.4423

159.9555, 0.2968,
0.3637

 2.9056, 0.2436,
0.4796

197.9992, 0.2980,
0.3612

 1.0827, 0.1780,
0.6233

241.6420, 0.2990,

 0.0000, 0.0000,

0.3591

0.0000

291.2684, 0.2998,
0.3572

■ 40.2706, 0.2868,
0.3856

■ 40.2706, 0.2868,
0.3856

■ 38.8038, 0.2810,
0.4049

■ 42.0195, 0.2935,
0.3678

■ 37.5988, 0.2764,
0.4253

■ 44.0596, 0.3007,
0.3515

■ 36.6403, 0.2734,
0.4464


■ 46.4059, 0.3082,
0.3369


■ 35.9093, 0.2721,
0.4676


■ 49.0706, 0.3158,
0.3238


■ 35.3838, 0.2728,
0.4883


■ 52.0655, 0.3234,
0.3123

 35.0362, 0.2753,
0.5079

 55.4016, 0.3308,
0.3022

 34.9214, 0.2765,
0.5155

 59.0894, 0.3380,
0.2933

 61.1606, 0.3366,
0.2843

 61.7347, 0.3287,
0.2747

Harmonies

Analogous

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



40.2706, 0.3319, 0.4100



40.2706, 0.2868, 0.3856



40.2706, 0.2504, 0.3426

Triad

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



40.2706, 0.2868, 0.3856



40.2706, 0.2517, 0.2557



40.2706, 0.4020, 0.3484

Complementary

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



40.2706, 0.2868, 0.3856



25.4691, 0.3512, 0.2789

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.



40.2706, 0.3775, 0.3119



40.2706, 0.2868, 0.3856



40.2706, 0.2885, 0.2606

Square

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



40.2706, 0.2868, 0.3856



40.2706, 0.2315, 0.2683



40.2706, 0.3348, 0.2808



40.2706, 0.4001, 0.3832

Rectangle

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



40.2706, 0.2868, 0.3856



40.2706, 0.2353, 0.3126



40.2706, 0.3348, 0.2808



40.2706, 0.3966, 0.3361

Sweetspot

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



40.2723, 0.2868, 0.3856



81.7939, 0.3042, 0.3444



42.4906, 0.3385, 0.4256



17.5117, 0.3032, 0.3464



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.



40.2723, 0.2868, 0.3856



70.8714, 0.2822, 0.4006



41.4582, 0.2650, 0.3338



10.1262, 0.3056, 0.3417



24.0781, 0.2759, 0.5133



0.8613, 0.2618, 0.4625

Inverse Universe

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



25.4691, 0.3512, 0.2789



40.1005, 0.3631, 0.2680



24.5241, 0.3931, 0.3245



9.0919, 0.3205, 0.3166



7.6755, 0.4744, 0.2387



0.2829, 0.4246, 0.2113

Previews

White Background



This preview shows how the Yxy color 40.2706, 0.2868, 0.3856 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 40.2706, 0.2868, 0.3856 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 40.2706, 0.2868, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 40.2706, 0.2868, 0.3856.



This preview shows how white text looks on a background with the Yxy color 40.2706, 0.2868, 0.3856.

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

40.2706, 0.2868, 0.3856

Protanopia

39.8827, 0.3468, 0.3680

Deuteranopia

39.6679, 0.3510, 0.3437



Tritanopia

40.2358, 0.2633, 0.3086

Trichromacy



Original Color

40.2706, 0.2868, 0.3856

Protanomaly

39.4538, 0.3223, 0.3731

Deuteranomaly

39.3595, 0.3242, 0.3577

Tritanomaly

40.0622, 0.2714, 0.3349

Monochromacy



Original Color

40.2706, 0.2868, 0.3856

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7960, 0.3019, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2706, 0.2868, 0.3856 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(118, 184, 148)` looks like.

```
.text, #text, p{  
    color:rgb(118, 184, 148)  
}
```

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(118, 184, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 184, 148) }
```

Border

The CSS property to change the border of an element to Yxy 40.2706, 0.2868, 0.3856 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(118, 184, 148) }
```

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

```
.border{ border-color:rgb(118, 184, 148) }
```

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

Here you see how a box with a 4 pixel rgb(118, 184, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 184, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 184, 148);  
box-shadow:4px 4px 4px 4px rgb(118, 184,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2706, 0.2868, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 184, 148) }
```

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

```
.background{ background-color: rgb(118,  
184, 148) }
```

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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