

Converting Colors

$Y_{xy}(38.3960, 0.2943, 0.3783)$

Have a look what the booklet for
Yxy(38.3960, 0.2943, 0.3783)
contains.

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Color

Yxy(38.4281, 0.2947, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	7FB292
RGB	127, 178, 146
RGB Percent	50%, 70%, 57%
CMY	0.5019, 0.3020, 0.4274
CMYK	0.29, 0.00, 0.18, 0.30
HSL	142°, 25%, 60%
HSV	142°, 29%, 70%
XYZ	29.8649, 38.4281, 33.0469
YIQ	159.1030, -20.1240, -20.7640

Conversions

Conversions Part 2

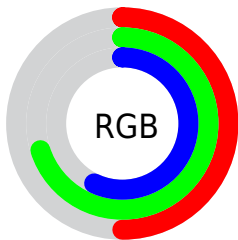
Format	Color
RYB	127, 164, 178
Decimal	8368786
CIELab	68.33, -23.59, 11.00
CIELCh	68, 26.030, 155.005
Yxy	38.4281, 0.2947, 0.3792
Android (android.graphics.Color)	4286558866 (0xFF7FB292)
YUV	159.1030, -6.4598, -28.1543
Hunter-Lab	61.9904, -22.4880, 11.7859

Details

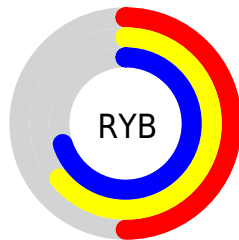
The Yxy color **38.4281, 0.2947, 0.3792** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **27.1523, 0.3366, 0.2837**, and the grayscale version is **34.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8395, 0.2985, 0.3691**, and **17.0300, 0.2888, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **36.8505, 0.2892, 0.4003**, and if you desaturate by 10%, it is **40.2843, 0.3008, 0.3599**.

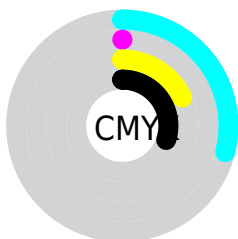
Distribution



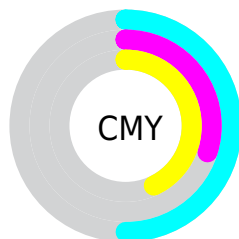
- Red (50%)
- Green (70%)
- Blue (57%)



- Red (50%)
- Yellow (64%)
- Blue (70%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)




- Cyan (50%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4281, 0.2947, 0.3792 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 38.4281, 0.2947, 0.3792 by changing the saturation by 10% instead.


 38.4281, 0.2947,
0.3792

 38.4281, 0.2947,
0.3792


339.4529, 0.3044,
0.3524


 26.3151, 0.2920,
0.3865


 72.7638, 0.2984,
0.3690

 17.0595, 0.2884,
0.3962


 95.7554, 0.2997,
0.3654

 10.2769, 0.2833,
0.4099


 123.1419, 0.3009,
0.3623

 5.5830, 0.2755,
0.4304

155.3078, 0.3018,
0.3597

 2.5932, 0.2623,
0.4646

192.6374, 0.3026,
0.3575

 0.9232, 0.2062,
0.6323

235.5152, 0.3033,

 0.0000, 0.0000,

0.3556

0.0000

284.3256, 0.3039,
0.3539

■ 38.4281, 0.2947,
0.3792

■ 38.4281, 0.2947,
0.3792

■ 36.8505, 0.2892,
0.4003

■ 40.2843, 0.3008,
0.3599

■ 35.5331, 0.2845,
0.4230

■ 42.4269, 0.3071,
0.3425

■ 34.4625, 0.2810,
0.4468

■ 44.8695, 0.3136,
0.3270

■ 33.6223, 0.2789,
0.4711

■ 47.6234, 0.3200,
0.3133

■ 32.9940, 0.2786,
0.4948

■ 50.6991, 0.3262,
0.3013

■ 32.5560, 0.2800,
0.5172

■ 54.1067, 0.3322,
0.2908

■ 32.2713, 0.2830,
0.5375

■ 57.8560, 0.3379,
0.2817

■ 32.2374, 0.2834,
0.5401

■ 59.1177, 0.3315,
0.2715

■ 59.7847, 0.3227,
0.2612

Harmonies

Analogous

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



38.4281, 0.3333, 0.3977



38.4281, 0.2947, 0.3792



38.4281, 0.2623, 0.3446

Triad

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



38.4281, 0.2947, 0.3792



38.4281, 0.2583, 0.2667



38.4281, 0.3870, 0.3431

Complementary

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



38.4281, 0.2947, 0.3792



27.1523, 0.3366, 0.2837

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.



38.4281, 0.3644, 0.3118



38.4281, 0.2947, 0.3792



38.4281, 0.2888, 0.2693

Square

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



38.4281, 0.2947, 0.3792



38.4281, 0.2424, 0.2796



38.4281, 0.3277, 0.2855



38.4281, 0.3879, 0.3732

Rectangle

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



38.4281, 0.2947, 0.3792



38.4281, 0.2481, 0.3192



38.4281, 0.3277, 0.2855



38.4281, 0.3816, 0.3325

Sweetspot

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



38.4297, 0.2947, 0.3792



76.7266, 0.3068, 0.3433



40.7751, 0.3376, 0.4035



16.8681, 0.3059, 0.3458



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.



38.4297, 0.2947, 0.3792



67.9293, 0.2913, 0.3916



39.3016, 0.2766, 0.3392



9.5407, 0.3067, 0.3436



23.0782, 0.2828, 0.5380



0.7377, 0.2662, 0.4784

Inverse Universe

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



27.1523, 0.3366, 0.2837



44.2914, 0.3430, 0.2740



26.3655, 0.3662, 0.3192



8.5919, 0.3193, 0.3148



7.6162, 0.4408, 0.2202



0.2505, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 38.4281, 0.2947, 0.3792 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 38.4281, 0.2947, 0.3792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

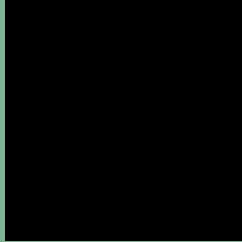
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4281, 0.2947, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 38.4281, 0.2947, 0.3792.



This preview shows how white text looks on a background with the Yxy color 38.4281, 0.2947, 0.3792.

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

38.4281, 0.2947, 0.3792

Protanopia

38.2798, 0.3445, 0.3659

Deuteranopia

38.0350, 0.3497, 0.3427



Tritanopia

38.2011, 0.2713, 0.3084

Trichromacy



Original Color

38.4281, 0.2947, 0.3792

Protanomaly

37.9715, 0.3255, 0.3705

Deuteranomaly

37.9144, 0.3275, 0.3550

Tritanomaly

38.1179, 0.2799, 0.3334

Monochromacy



Original Color

38.4281, 0.2947, 0.3792

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.8086, 0.3054, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4281, 0.2947, 0.3792 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(127, 178, 146)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 178, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 178, 146) }
```

Border

The CSS property to change the border of an element to Yxy 38.4281, 0.2947, 0.3792 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(127, 178, 146) }
```

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

```
.border{ border-color:rgb(127, 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(127, 178, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 178, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 178, 146);  
box-shadow:4px 4px 4px 4px rgb(127, 178,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4281, 0.2947, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 178, 146) }
```

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

```
.background{ background-color: rgb(127,  
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](#).

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