

Converting Colors

$Yxy(47.8342, 0.3310, 0.4393)$

Have a look what the booklet for
Yxy(47.8342, 0.3310, 0.4393)
contains.

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Color

Yxy(47.8679, 0.3311, 0.4388)

Conversions

Conversions Part 1

Format	Color
Hex	97C578
RGB	151, 197, 120
RGB Percent	59%, 77%, 47%
CMY	0.4078, 0.2274, 0.5295
CMYK	0.23, 0.00, 0.39, 0.23
HSL	96°, 40%, 62%
HSV	96°, 39%, 77%
XYZ	36.1191, 47.8679, 25.1012
YIQ	174.4680, -2.6990, -33.6990

Conversions

Conversions Part 2

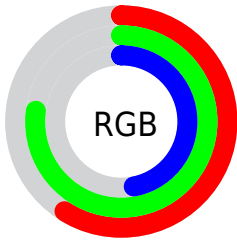
Format	Color
RYB	120, 197, 166
Decimal	9946488
CIELab	74.74, -28.97, 33.82
CIELCh	75, 44.527, 130.581
Yxy	47.8679, 0.3311, 0.4388
Android (android.graphics.Color)	4288136568 (0xFF97C578)
YUV	174.4680, -26.8527, -20.5814
Hunter-Lab	69.1866, -27.8901, 26.9200

Details

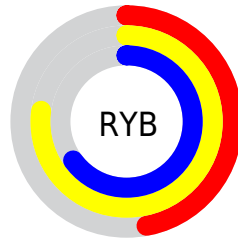
The Yxy color **47.8679, 0.3311, 0.4388** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.5677, 0.2849, 0.2240**, and the grayscale version is **42.7239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0226, 0.3287, 0.4180**, and **22.6838, 0.3327, 0.4728** is the 20% darker color. If you saturate the color by 10%, you get **46.3696, 0.3341, 0.4699**, and if you desaturate by 10%, it is **49.5811, 0.3271, 0.4081**.

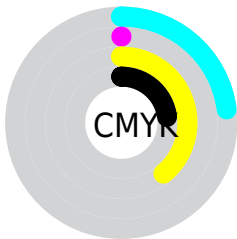
Distribution



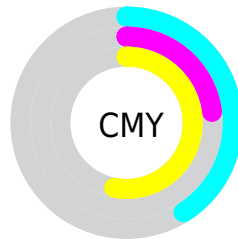
- Red (59%)
- Green (77%)
- Blue (47%)



- Red (47%)
- Yellow (77%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (39%)
- Black (23%)




- Cyan (41%)
- Magenta (23%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8679, 0.3311, 0.4388 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 47.8679, 0.3311, 0.4388 by changing the saturation by 10% instead.


 47.8679, 0.3311,
0.4388


 47.8679, 0.3311,
0.4388


378.2683, 0.3238,
0.3817

 33.7223, 0.3322,
0.4536

 87.0077, 0.3290,
0.4176

 22.6803, 0.3330,
0.4727


 112.7707, 0.3280,
0.4098

 14.3576, 0.3332,
0.4984


 143.1749, 0.3272,
0.4032

 8.3698, 0.3315,
0.5342

178.6047, 0.3264,
0.3976

 4.3325, 0.3263,
0.5896

219.4446, 0.3256,
0.3928

 1.8612, 0.3120,
0.6880

266.0788, 0.3250,

 0.5249, 0.0000,

0.3886

1.0000

318.8920, 0.3244,
0.3850

■ 0.0000, 0.0000,
0.0000

■ 47.8679, 0.3311,
0.4388

■ 47.8679, 0.3311,
0.4388

■ 46.3696, 0.3341,
0.4699

■ 49.5811, 0.3271,
0.4081

■ 45.0706, 0.3357,
0.5000

■ 51.5118, 0.3224,
0.3789

■ 43.9629, 0.3356,
0.5275


■ 53.6700, 0.3174,
0.3517


■ 43.0352, 0.3336,
0.5506


■ 56.0636, 0.3122,
0.3268

■ 42.2745, 0.3298,
0.5681


■ 58.6999, 0.3072,
0.3045


 41.6615, 0.3246,
0.5799

 61.5859, 0.3022,
0.2845

 41.6111, 0.3241,
0.5808

 64.5404, 0.2995,
0.2694

 66.5915, 0.3081,
0.2709

 68.4143, 0.3154,
0.2722

Harmonies

Analogous

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



47.8679, 0.3881, 0.4350



47.8679, 0.3311, 0.4388



47.8679, 0.2721, 0.4026

Triad

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



47.8679, 0.3311, 0.4388



47.8679, 0.2081, 0.2458



47.8679, 0.4041, 0.3093

Complementary

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



47.8679, 0.3311, 0.4388



25.5677, 0.2849, 0.2240

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.



47.8679, 0.3471, 0.2689



47.8679, 0.3311, 0.4388



47.8679, 0.2355, 0.2329

Square

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



47.8679, 0.3311, 0.4388



47.8679, 0.2049, 0.2827



47.8679, 0.2847, 0.2418



47.8679, 0.4341, 0.3561

Rectangle

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



47.8679, 0.3311, 0.4388



47.8679, 0.2397, 0.3624



47.8679, 0.2847, 0.2418



47.8679, 0.3871, 0.2947

Sweetspot

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



47.8700, 0.3311, 0.4388



94.8805, 0.3190, 0.3598



40.1062, 0.3856, 0.3880



20.1971, 0.3196, 0.3634



0.0000, 0.0000, 0.0000



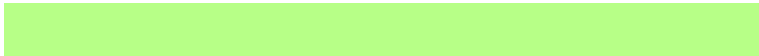
21.4041, 0.3127, 0.3290

Same Dimension

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



47.8700, 0.3311, 0.4388



83.3920, 0.3338, 0.4657



45.4435, 0.3031, 0.4372



12.0928, 0.3175, 0.3525



27.4142, 0.3251, 0.5801



1.3401, 0.3420, 0.5666

Inverse Universe

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



25.5677, 0.2849, 0.2240



37.8168, 0.2767, 0.1997



29.0448, 0.3238, 0.2406



10.5954, 0.3075, 0.3058



5.2190, 0.2234, 0.1004



0.2885, 0.2436, 0.1116

Previews

White Background



This preview shows how the Yxy color 47.8679, 0.3311, 0.4388 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 47.8679, 0.3311, 0.4388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

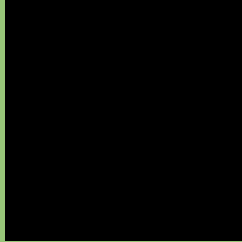
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8679, 0.3311, 0.4388

Background



This preview shows how black text looks on a background with the Yxy color 47.8679, 0.3311, 0.4388.



This preview shows how white text looks on a background with the Yxy color 47.8679, 0.3311, 0.4388.

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

47.8679, 0.3311, 0.4388

Protanopia

47.3841, 0.3837, 0.4146

Deuteranopia

47.2007, 0.3974, 0.3888



Tritanopia

47.6974, 0.2836, 0.3093

Trichromacy



Original Color

47.8679, 0.3311, 0.4388

Protanomaly

47.1959, 0.3631, 0.4233

Deuteranomaly

46.7664, 0.3717, 0.4065

Tritanomaly

47.6111, 0.3011, 0.3551

Monochromacy



Original Color

47.8679, 0.3311, 0.4388

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.8960, 0.3212, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8679, 0.3311, 0.4388 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(151, 197, 120)` looks like.

```
.text, #text, p{  
    color:rgb(151, 197, 120)  
}
```

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(151, 197, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 197, 120) }
```

Border

The CSS property to change the border of an element to Yxy 47.8679, 0.3311, 0.4388 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(151, 197, 120) }
```

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

```
.border{ border-color:rgb(151, 197, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 197, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 197, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 197, 120); box-shadow:4px 4px 4px 4px rgb(151, 197, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8679, 0.3311, 0.4388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 197, 120) }
```

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

```
.background{ background-color: rgb(151,  
197, 120) }
```

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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