

Converting Colors

$Yxy(46.9761, 0.3361, 0.4875)$

Have a look what the booklet for
Yxy(46.9761, 0.3361, 0.4875)
contains.

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Color

Yxy(47.1976, 0.3358, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	87C85A
RGB	135, 200, 90
RGB Percent	53%, 78%, 35%
CMY	0.4706, 0.2157, 0.6471
CMYK	0.33, 0.00, 0.55, 0.22
HSL	95°, 50%, 57%
HSV	95°, 55%, 78%
XYZ	32.4907, 47.1976, 17.0678
YIQ	168.0250, -3.4300, -47.9900

Conversions

Conversions Part 2

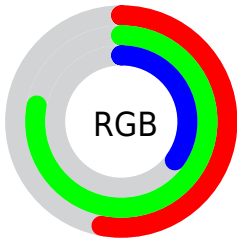
Format	Color
RYB	90, 200, 155
Decimal	8898650
CIELab	74.32, -39.69, 47.88
CIElCh	74, 62.191, 129.656
Yxy	47.1976, 0.3358, 0.4878
Android (android.graphics.Color)	4287088730 (0xFF87C85A)
YUV	168.0250, -38.4663, -28.9629
Hunter-Lab	68.7005, -35.8075, 33.3605

Details

The Yxy color **47.1976, 0.3358, 0.4878** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.4496, 0.2685, 0.1795**, and the grayscale version is **39.3647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5795, 0.3348, 0.4552**, and **22.4032, 0.3337, 0.5364** is the 20% darker color. If you saturate the color by 10%, you get **45.9772, 0.3365, 0.5165**, and if you desaturate by 10%, it is **48.6226, 0.3335, 0.4572**.

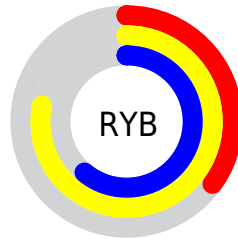
Distribution



Red (53%)

Green (78%)

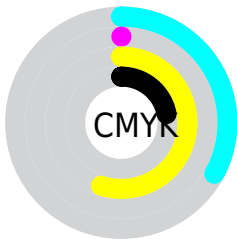
Blue (35%)



Red (35%)

Yellow (78%)

Blue (61%)

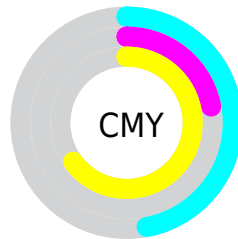


Cyan (33%)

Magenta (0%)

Yellow (55%)

Black (22%)



Cyan (47%)


Magenta (22%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1976, 0.3358, 0.4878 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 47.1976, 0.3358, 0.4878 by changing the saturation by 10% instead.


 47.1976, 0.3358,
0.4878


 47.1976, 0.3358,
0.4878

375.6027, 0.3286,
0.4046


 33.1919, 0.3358,
0.5090


 86.0085, 0.3345,
0.4570


 22.2735, 0.3345,
0.5362


 111.5825, 0.3336,
0.4456

 14.0580, 0.3306,
0.5717


 141.7814, 0.3326,
0.4360

 8.1610, 0.3209,
0.6192

 176.9895, 0.3317,
0.4279

 4.1981, 0.3039,
0.6961

217.5913, 0.3309,
0.4208

 1.7850, 0.2314,
0.7686

263.9712, 0.3301,

 0.4778, 0.0000,

0.4147

1.0000

316.5135, 0.3293,
0.4094

0.0000, 0.0000,
0.0000

47.1976, 0.3358,
0.4878

47.1976, 0.3358,
0.4878

45.9772, 0.3365,
0.5165

48.6226, 0.3335,
0.4572

44.9441, 0.3353,
0.5415

50.2560, 0.3299,
0.4261

44.0879, 0.3322,
0.5613

52.1093, 0.3255,
0.3960

43.3941, 0.3274,
0.5750

54.1910, 0.3206,
0.3675

43.0968, 0.3248,
0.5803

56.5095, 0.3153,
0.3412

■ 59.0724, 0.3101,
0.3174

■ 61.8870, 0.3050,
0.2960

■ 64.9604, 0.3000,
0.2769

■ 67.2956, 0.3053,
0.2735

Harmonies

Analogous

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



47.1976, 0.4135, 0.4720



47.1976, 0.3358, 0.4878



47.1976, 0.2563, 0.4387

Triad

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



47.1976, 0.3358, 0.4878



47.1976, 0.1730, 0.2161



47.1976, 0.4389, 0.2978

Complementary

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



47.1976, 0.3358, 0.4878



18.4496, 0.2685, 0.1795

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.



47.1976, 0.3565, 0.2467



47.1976, 0.3358, 0.4878



47.1976, 0.2068, 0.2009

Square

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



47.1976, 0.3358, 0.4878



47.1976, 0.1690, 0.2637



47.1976, 0.2703, 0.2125



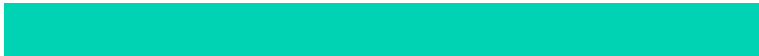
47.1976, 0.4813, 0.3576

Rectangle

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



47.1976, 0.3358, 0.4878



47.1976, 0.2132, 0.3781



47.1976, 0.2703, 0.2125



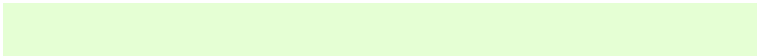
47.1976, 0.4142, 0.2794

Sweetspot

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



47.1996, 0.3358, 0.4878



92.9771, 0.3217, 0.3737



36.1841, 0.4227, 0.4106



19.7407, 0.3227, 0.3794



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.



47.1996, 0.3358, 0.4878



79.2265, 0.3364, 0.5217



44.3880, 0.2998, 0.4905



12.0962, 0.3176, 0.3524



27.4505, 0.3258, 0.5795



1.3419, 0.3427, 0.5661

Inverse Universe

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



18.4496, 0.2685, 0.1795



24.4457, 0.2555, 0.1497



23.3453, 0.3292, 0.2085



10.5920, 0.3074, 0.3058



5.1620, 0.2220, 0.0997



0.2860, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 47.1976, 0.3358, 0.4878 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 47.1976, 0.3358, 0.4878 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 47.1976, 0.3358, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 47.1976, 0.3358, 0.4878.

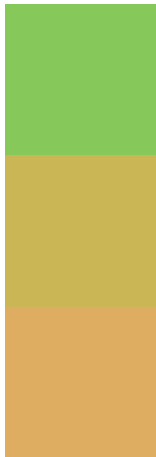


This preview shows how white text looks on a background with the Yxy color 47.1976, 0.3358, 0.4878.

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

47.1976, 0.3358, 0.4878

Protanopia

46.6525, 0.4085, 0.4465

Deuteranopia

46.4382, 0.4254, 0.4156



Tritanopia

46.9536, 0.2744, 0.3088

Trichromacy



Original Color

47.1976, 0.3358, 0.4878

Protanomaly

46.5321, 0.3803, 0.4628

Deuteranomaly

45.7515, 0.3908, 0.4421

Tritanomaly

46.4189, 0.2982, 0.3719

Monochromacy



Original Color

47.1976, 0.3358, 0.4878

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.6039, 0.3238, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1976, 0.3358, 0.4878 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(135, 200, 90)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 90)  
}
```

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(135, 200, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 90) }
```

Border

The CSS property to change the border of an element to Yxy 47.1976, 0.3358, 0.4878 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(135, 200, 90) }
```

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

```
.border{ border-color:rgb(135, 200, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 200, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 90);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1976, 0.3358, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 90) }
```

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

```
.background{ background-color: rgb(135,  
200, 90) }
```

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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