

Converting Colors

$Yxy(47.1016, 0.3080, 0.4177)$

Have a look what the booklet for
Yxy(47.1016, 0.3080, 0.4177)
contains.

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Color

Yxy(46.9729, 0.3078, 0.4175)

Conversions

Conversions Part 1

Format	Color
Hex	88C589
RGB	136, 197, 137
RGB Percent	53%, 77%, 54%
CMY	0.4668, 0.2274, 0.4628
CMYK	0.31, 0.00, 0.30, 0.23
HSL	121°, 34%, 65%
HSV	121°, 31%, 77%
XYZ	34.6306, 46.9729, 30.9065
YIQ	171.9210, -17.0960, -31.5920

Conversions

Conversions Part 2

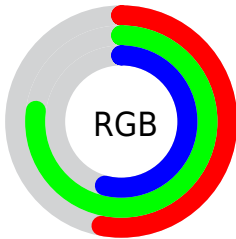
Format	Color
RYB	136, 196, 197
Decimal	8963465
CIELab	74.17, -31.56, 24.03
CIELCh	74, 39.665, 142.712
Yxy	46.9729, 0.3078, 0.4175
Android (android.graphics.Color)	4287153545 (0xFF88C589)
YUV	171.9210, -17.2161, -31.5027
Hunter-Lab	68.5368, -29.7461, 21.2391

Details

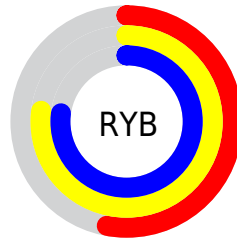
The Yxy color **46.9729, 0.3078, 0.4175** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.4554, 0.3173, 0.2540**, and the grayscale version is **41.3054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7216, 0.3094, 0.3998**, and **22.2179, 0.3045, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **44.9678, 0.3060, 0.4518**, and if you desaturate by 10%, it is **49.3849, 0.3095, 0.3856**.

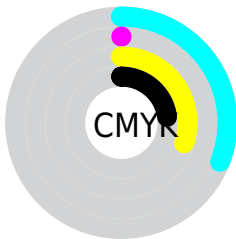
Distribution



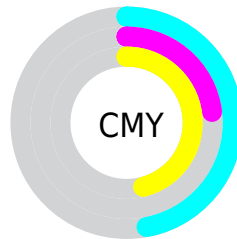
- Red (53%)
- Green (77%)
- Blue (54%)



- Red (53%)
- Yellow (77%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)



- Cyan (47%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9729, 0.3078, 0.4175 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 46.9729, 0.3078, 0.4175 by changing the saturation by 10% instead.


 46.9729, 0.3078,
0.4175


 46.9729, 0.3078,
0.4175


374.7063, 0.3115,
0.3711


 33.0142, 0.3064,
0.4297


 85.6732, 0.3094,
0.4002

 22.1373, 0.3044,
0.4458


 111.1836, 0.3100,
0.3938

 13.9579, 0.3012,
0.4677


 141.3133, 0.3104,
0.3885

 8.0914, 0.2957,
0.4994

176.4468, 0.3107,
0.3840

 4.1535, 0.2851,
0.5485

216.9685, 0.3109,
0.3801

 1.7598, 0.2873,
0.7014

263.2627, 0.3112,

 0.4619, 0.0000,

0.3767

1.0000

315.7139, 0.3113,
0.3737

0.0000, 0.0000,
0.0000

46.9729, 0.3078,
0.4175

46.9729, 0.3078,
0.4175

44.9678, 0.3060,
0.4518

49.3849, 0.3095,
0.3856

43.3417, 0.3043,
0.4872

52.2182, 0.3111,
0.3567

42.0724, 0.3026,
0.5213


55.4936, 0.3126,
0.3313

41.1332, 0.3013,
0.5516

59.2290, 0.3139,
0.3092

40.4935, 0.3004,
0.5756

63.4411, 0.3150,
0.2901

 40.1170, 0.3000,
0.5914

 68.1461, 0.3160,
0.2738

 39.9447, 0.2997,
0.5990

 68.4174, 0.3154,
0.2722

Harmonies

Analogous

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



46.9729, 0.3617, 0.4293



46.9729, 0.3078, 0.4175



46.9729, 0.2578, 0.3736

Triad

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



46.9729, 0.3078, 0.4175



46.9729, 0.2253, 0.2465



46.9729, 0.4092, 0.3287

Complementary

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



46.9729, 0.3078, 0.4175



33.4554, 0.3173, 0.2540

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.



46.9729, 0.3661, 0.2884



46.9729, 0.3078, 0.4175



46.9729, 0.2591, 0.2427

Square

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



46.9729, 0.3078, 0.4175



46.9729, 0.2133, 0.2717



46.9729, 0.3098, 0.2579



46.9729, 0.4231, 0.3719

Rectangle

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



46.9729, 0.3078, 0.4175



46.9729, 0.2331, 0.3360



46.9729, 0.3098, 0.2579



46.9729, 0.3975, 0.3146

Sweetspot

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



46.9749, 0.3078, 0.4175



94.5353, 0.3114, 0.3518



53.4489, 0.3581, 0.4057



20.0589, 0.3112, 0.3557



0.0000, 0.0000, 0.0000



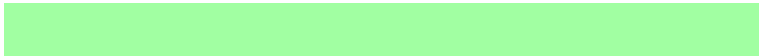
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9749, 0.3078, 0.4175



81.6780, 0.3066, 0.4399



47.9776, 0.2874, 0.3713



11.8907, 0.3114, 0.3525



26.2715, 0.2997, 0.5988



1.2450, 0.2984, 0.5943

Inverse Universe

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



33.4554, 0.3173, 0.2540



53.7455, 0.3183, 0.2385



32.2046, 0.3487, 0.2905



10.8134, 0.3140, 0.3066



10.3614, 0.3251, 0.1565



0.4916, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 46.9729, 0.3078, 0.4175 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 46.9729, 0.3078, 0.4175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

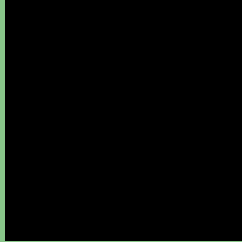
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9729, 0.3078, 0.4175

Background



This preview shows how black text looks on a background with the Yxy color 46.9729, 0.3078, 0.4175.



This preview shows how white text looks on a background with the Yxy color 46.9729, 0.3078, 0.4175.

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

46.9729, 0.3078, 0.4175

Protanopia

46.3952, 0.3687, 0.3948

Deuteranopia

46.3712, 0.3770, 0.3684



Tritanopia

47.0507, 0.2711, 0.3087

Trichromacy



Original Color

46.9729, 0.3078, 0.4175

Protanomaly

46.2328, 0.3439, 0.4030

Deuteranomaly

45.6636, 0.3497, 0.3851

Tritanomaly

46.9239, 0.2843, 0.3457

Monochromacy



Original Color

46.9729, 0.3078, 0.4175

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.9219, 0.3112, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9729, 0.3078, 0.4175 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(136, 197, 137)` looks like.

```
.text, #text, p{  
    color:rgb(136, 197, 137)  
}
```

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(136, 197, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 197, 137) }
```

Border

The CSS property to change the border of an element to Yxy 46.9729, 0.3078, 0.4175 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(136, 197, 137) }
```

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

```
.border{ border-color:rgb(136, 197, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 197, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 197, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 197, 137);  
box-shadow:4px 4px 4px 4px rgb(136, 197,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9729, 0.3078, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 197, 137) }
```

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

```
.background{ background-color: rgb(136,  
197, 137) }
```

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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