

Converting Colors

$Yxy(47.6947, 0.3080, 0.4274)$

Have a look what the booklet for
Yxy(47.6947, 0.3080, 0.4274)
contains.

Yxy(47.5268, 0.3081, 0.4266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5268, 0.3081, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	85C785
RGB	133, 199, 133
RGB Percent	52%, 78%, 52%
CMY	0.4786, 0.2196, 0.4784
CMYK	0.33, 0.00, 0.33, 0.22
HSL	120°, 37%, 65%
HSV	120°, 33%, 78%
XYZ	34.3249, 47.5268, 29.5566
YIQ	171.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

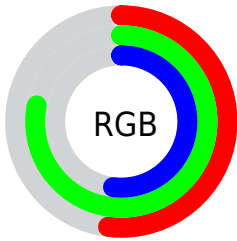
Format	Color
RYB	133, 199, 199
Decimal	8767365
CIELab	74.53, -34.13, 26.58
CIELCh	75, 43.262, 142.090
Yxy	47.5268, 0.3081, 0.4266
Android (android.graphics.Color)	4286957445 (0xFF85C785)
YUV	171.7420, -19.0998, -33.9767
Hunter-Lab	68.9397, -31.7697, 22.8383

Details

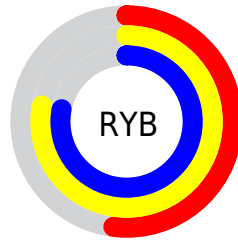
The Yxy color **47.5268, 0.3081, 0.4266** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0284, 0.3166, 0.2475**, and the grayscale version is **41.2194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7992, 0.3097, 0.4059**, and **22.5808, 0.3040, 0.4578** is the 20% darker color. If you saturate the color by 10%, you get **45.5615, 0.3064, 0.4618**, and if you desaturate by 10%, it is **49.9070, 0.3097, 0.3935**.

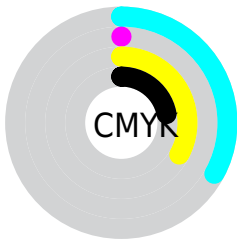
Distribution



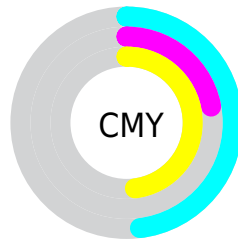
- Red (52%)
- Green (78%)
- Blue (52%)



- Red (52%)
- Yellow (78%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (48%)
- Magenta (22%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5268, 0.3081, 0.4266 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 47.5268, 0.3081, 0.4266 by changing the saturation by 10% instead.


 47.5268, 0.3081,
0.4266


 47.5268, 0.3081,
0.4266


376.9134, 0.3119,
0.3754


 33.4523, 0.3066,
0.4401


 86.4994, 0.3099,
0.4075

 22.4732, 0.3044,
0.4578


 112.1664, 0.3104,
0.4004

 14.2050, 0.3008,
0.4820


 142.4662, 0.3108,
0.3945

 8.2634, 0.2945,
0.5167

177.7834, 0.3111,
0.3896

 4.2639, 0.2822,
0.5701

218.5024, 0.3114,
0.3853

 1.8223, 0.2761,
0.7239

265.0074, 0.3116,

 0.5010, 0.0000,

0.3815

1.0000

317.6829, 0.3117,
0.3783

0.0000, 0.0000,
0.0000

47.5268, 0.3081,
0.4266

47.5268, 0.3081,
0.4266

45.5615, 0.3064,
0.4618

49.9070, 0.3097,
0.3935

43.9819, 0.3048,
0.4975

52.7175, 0.3111,
0.3634

42.7642, 0.3032,
0.5312


55.9802, 0.3123,
0.3368

41.8800, 0.3018,
0.5602


59.7140, 0.3134,
0.3136

41.2961, 0.3008,
0.5818

63.9364, 0.3144,
0.2935

 40.9729, 0.3002,
0.5949

 68.6641, 0.3152,
0.2763

 40.8525, 0.3000,
0.6000

 69.3322, 0.3153,
0.2742

Harmonies

Analogous

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



47.5268, 0.3663, 0.4379



47.5268, 0.3081, 0.4266



47.5268, 0.2540, 0.3789

Triad

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



47.5268, 0.3081, 0.4266



47.5268, 0.2181, 0.2403



47.5268, 0.4169, 0.3271

Complementary

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



47.5268, 0.3081, 0.4266



33.0284, 0.3166, 0.2475

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.



47.5268, 0.3694, 0.2843



47.5268, 0.3081, 0.4266



47.5268, 0.2536, 0.2361

Square

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



47.5268, 0.3081, 0.4266



47.5268, 0.2057, 0.2674



47.5268, 0.3081, 0.2520



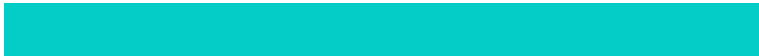
47.5268, 0.4326, 0.3735

Rectangle

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



47.5268, 0.3081, 0.4266



47.5268, 0.2273, 0.3375



47.5268, 0.3081, 0.2520



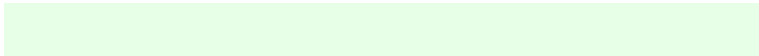
47.5268, 0.4039, 0.3121

Sweetspot

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



47.5288, 0.3081, 0.4266



93.9466, 0.3115, 0.3549



54.6881, 0.3623, 0.4109



19.9407, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



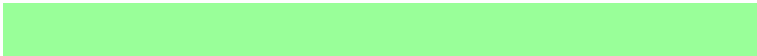
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5288, 0.3081, 0.4266



80.5948, 0.3069, 0.4525



48.5877, 0.2865, 0.3765



11.8880, 0.3116, 0.3528



26.2657, 0.3000, 0.5999



1.2437, 0.2999, 0.5997

Inverse Universe

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



33.0284, 0.3166, 0.2475



51.2574, 0.3174, 0.2302



31.6593, 0.3509, 0.2862



10.8165, 0.3138, 0.3063



10.4546, 0.3211, 0.1543



0.4951, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 47.5268, 0.3081, 0.4266 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 47.5268, 0.3081, 0.4266 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 47.5268, 0.3081, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 47.5268, 0.3081, 0.4266.



This preview shows how white text looks on a background with the Yxy color 47.5268, 0.3081, 0.4266.

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

47.5268, 0.3081, 0.4266

Protanopia

46.8326, 0.3725, 0.4008

Deuteranopia

46.9420, 0.3821, 0.3742



Tritanopia

47.3457, 0.2692, 0.3087

Trichromacy



Original Color

47.5268, 0.3081, 0.4266



Protanomaly

46.5501, 0.3468, 0.4097



Deuteranomaly

46.3728, 0.3524, 0.3929



Tritanomaly

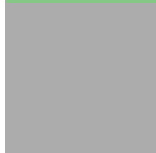
47.0573, 0.2830, 0.3487

Monochromacy



Original Color

47.5268, 0.3081, 0.4266



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.1936, 0.3111, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5268, 0.3081, 0.4266 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(133, 199, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 133)  
}
```

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(133, 199, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 133) }
```

Border

The CSS property to change the border of an element to Yxy 47.5268, 0.3081, 0.4266 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(133, 199, 133) }
```

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

```
.border{ border-color:rgb(133, 199, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5268, 0.3081, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 133) }
```

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

```
.background{ background-color: rgb(133,  
199, 133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor