

Converting Colors

$Yxy(47.8636, 0.3452, 0.4192)$

Have a look what the booklet for
Yxy(47.8636, 0.3452, 0.4192)
contains.

Yxy(47.8636, 0.3452, 0.4192)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8636, 0.3452, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	ABC07E
RGB	171, 192, 126
RGB Percent	67%, 75%, 49%
CMY	0.3293, 0.2471, 0.5059
CMYK	0.11, 0.00, 0.34, 0.25
HSL	79°, 34%, 62%
HSV	79°, 34%, 75%
XYZ	39.4144, 47.8636, 26.9004
YIQ	178.1970, 8.6700, -24.9780

Conversions

Conversions Part 2

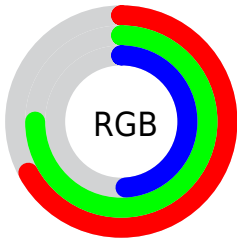
Format	Color
RYB	126, 192, 147
Decimal	11255934
CIELab	74.74, -18.26, 30.95
CIELCh	75, 35.935, 120.538
Yxy	47.8636, 0.3452, 0.4192
Android (android.graphics.Color)	4289446014 (0xFFABC07E)
YUV	178.1970, -25.7331, -6.3118
Hunter-Lab	69.1835, -19.3783, 25.3749

Details

The Yxy color **47.8636, 0.3452, 0.4192** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.9291, 0.2709, 0.2328**, and the grayscale version is **44.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7204, 0.3403, 0.4022**, and **22.5503, 0.3526, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **46.7471, 0.3534, 0.4466**, and if you desaturate by 10%, it is **49.1111, 0.3361, 0.3917**.

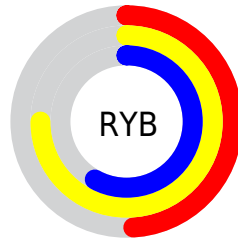
Distribution



Red (67%)

Green (75%)

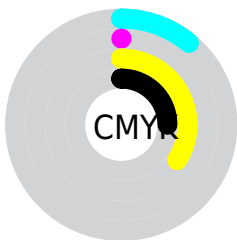
Blue (49%)



Red (49%)

Yellow (75%)

Blue (58%)

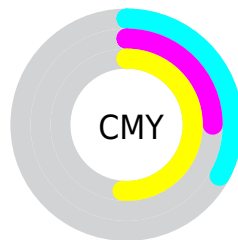


Cyan (11%)

Magenta (0%)

Yellow (34%)

Black (25%)



Cyan (33%)


Magenta (25%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8636, 0.3452, 0.4192 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 47.8636, 0.3452, 0.4192 by changing the saturation by 10% instead.

 47.8636, 0.3452,
0.4192


 47.8636, 0.3452,
0.4192


378.2512, 0.3302,
0.3730


 33.7189, 0.3484,
0.4309


 87.0013, 0.3401,
0.4022

 22.6777, 0.3522,
0.4460


 112.7630, 0.3381,
0.3959

 14.3557, 0.3566,
0.4660

 143.1659, 0.3363,
0.3906

 8.3685, 0.3613,
0.4937

178.5943, 0.3348,
0.3861

 4.3316, 0.3651,
0.5340

219.4327, 0.3334,
0.3821

 1.8607, 0.3786,
0.6214

266.0654, 0.3322,

 0.5246, 0.0916,

0.3787

0.9084

318.8767, 0.3312,
0.3757

0.0000, 0.0000,
0.0000

47.8636, 0.3452,
0.4192

47.8636, 0.3452,
0.4192

46.7471, 0.3534,
0.4466

49.1111, 0.3361,
0.3917

45.7493, 0.3603,
0.4729

50.4887, 0.3265,
0.3650

44.8660, 0.3653,
0.4968


52.0036, 0.3169,
0.3396


44.0899, 0.3680,
0.5172

53.6605, 0.3074,
0.3159

43.4128, 0.3683,
0.5332

55.4640, 0.2984,
0.2941

 42.8249, 0.3661,
0.5442

 57.4183, 0.2898,
0.2743

 42.5224, 0.3642,
0.5490

 59.1748, 0.2852,
0.2614

 60.1086, 0.2896,
0.2623

 61.0772, 0.2940,
0.2631

Harmonies

Analogous

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



47.8636, 0.3876, 0.4089



47.8636, 0.3452, 0.4192



47.8636, 0.2960, 0.4000

Triad

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



47.8636, 0.3452, 0.4192



47.8636, 0.2231, 0.2696



47.8636, 0.3728, 0.3013

Complementary

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



47.8636, 0.3452, 0.4192



24.9291, 0.2709, 0.2328

Split Complementary

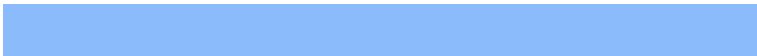
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.8636, 0.3237, 0.2704



47.8636, 0.3452, 0.4192



47.8636, 0.2396, 0.2514

Square

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



47.8636, 0.3452, 0.4192



47.8636, 0.2278, 0.3069



47.8636, 0.2751, 0.2524



47.8636, 0.4056, 0.3396

Rectangle

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



47.8636, 0.3452, 0.4192



47.8636, 0.2662, 0.3725



47.8636, 0.2751, 0.2524



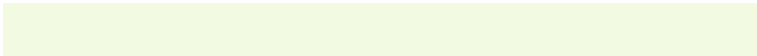
47.8636, 0.3574, 0.2899

Sweetspot

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



47.8657, 0.3452, 0.4192



92.6103, 0.3225, 0.3541



33.5496, 0.3830, 0.3577



19.7857, 0.3238, 0.3577



97.7402, 0.3127, 0.3290



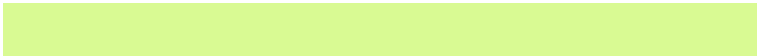
20.4902, 0.3127, 0.3290

Same Dimension

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



47.8657, 0.3452, 0.4192



85.2334, 0.3513, 0.4392



44.6169, 0.3174, 0.4276



11.5927, 0.3217, 0.3521



28.6569, 0.3649, 0.5485



1.2737, 0.3774, 0.5385

Inverse Universe

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



24.9291, 0.2709, 0.2328



37.6041, 0.2597, 0.2097



28.4195, 0.3040, 0.2415



9.8998, 0.3032, 0.3055



3.2660, 0.1734, 0.0729



0.1787, 0.1993, 0.0871

Previews

White Background



This preview shows how the Yxy color 47.8636, 0.3452, 0.4192 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 47.8636, 0.3452, 0.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

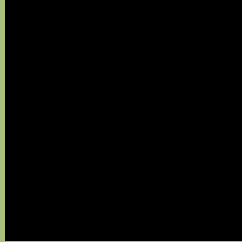
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

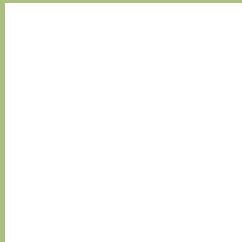
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8636, 0.3452, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 47.8636, 0.3452, 0.4192.



This preview shows how white text looks on a background with the Yxy color 47.8636, 0.3452, 0.4192.

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

47.8636, 0.3452, 0.4192

Protanopia

47.8532, 0.3759, 0.4063

Deuteranopia

47.5678, 0.3916, 0.3843



Tritanopia

47.7679, 0.2996, 0.3099

Trichromacy



Original Color

47.8636, 0.3452, 0.4192

Protanomaly

47.8147, 0.3646, 0.4112

Deuteranomaly

47.4584, 0.3738, 0.3961

Tritanomaly

47.4435, 0.3160, 0.3476

Monochromacy



Original Color

47.8636, 0.3452, 0.4192

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.4841, 0.3249, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8636, 0.3452, 0.4192 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(171, 192, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 126)  
}
```

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(171, 192, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 126) }
```

Border

The CSS property to change the border of an element to Yxy 47.8636, 0.3452, 0.4192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

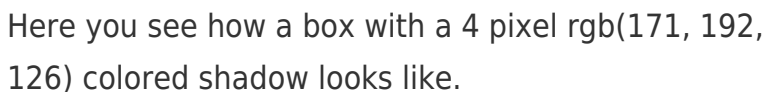
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 192, 126) }
```

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

```
.border{ border-color:rgb(171, 192, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 192, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 192, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 192, 126);  
box-shadow:4px 4px 4px 4px rgb(171, 192,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8636, 0.3452, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 126) }
```

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

```
.background{ background-color: rgb(171,  
192, 126) }
```

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