

Converting Colors

$Y_{xy}(47.4609, 0.3573, 0.4212)$

Have a look what the booklet for
Yxy(47.4609, 0.3573, 0.4212)
contains.

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Color

Yxy(47.3350, 0.3578, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	B3BD78
RGB	179, 189, 120
RGB Percent	70%, 74%, 47%
CMY	0.2980, 0.2588, 0.5294
CMYK	0.05, 0.00, 0.37, 0.26
HSL	69°, 34%, 61%
HSV	69°, 37%, 74%
XYZ	40.1814, 47.3350, 24.7849
YIQ	178.1440, 16.1890, -23.5790

Conversions

Conversions Part 2

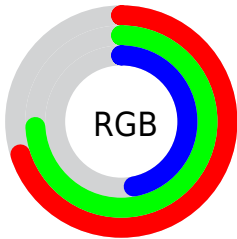
Format	Color
RYB	120, 189, 130
Decimal	11779448
CIELab	74.40, -14.41, 33.75
CIELCh	74, 36.700, 113.120
Yxy	47.3350, 0.3578, 0.4215
Android (android.graphics.Color)	4289969528 (0xFFB3BD78)
YUV	178.1440, -28.6650, 0.7507
Hunter-Lab	68.8004, -16.1517, 26.8015

Details

The Yxy color $47.3350, 0.3578, 0.4215$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $21.8486, 0.2562, 0.2230$, and the grayscale version is $44.7516, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1548, 0.3508, 0.4042$, and $22.4105, 0.3679, 0.4488$ is the 20% darker color. If you saturate the color by 10%, you get $46.6002, 0.3689, 0.4463$, and if you desaturate by 10%, it is $48.1711, 0.3457, 0.3958$.

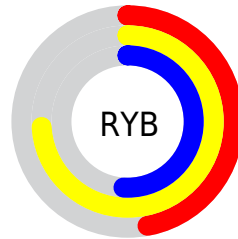
Distribution



Red (70%)

Green (74%)

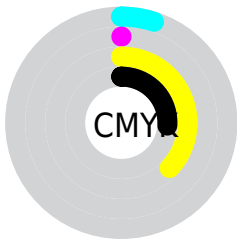
Blue (47%)



Red (47%)

Yellow (74%)

Blue (51%)

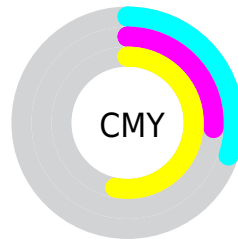


Cyan (5%)

Magenta (0%)

Yellow (37%)

Black (26%)



Cyan (30%)


Magenta (26%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3350, 0.3578, 0.4215 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 47.3350, 0.3578, 0.4215 by changing the saturation by 10% instead.

 47.3350, 0.3578,
0.4215

 47.3350, 0.3578,
0.4215


376.1501, 0.3365,
0.3745

 33.3006, 0.3625,
0.4332


 86.2135, 0.3505,
0.4044

 22.3568, 0.3682,
0.4482


 111.8263, 0.3476,
0.3980

 14.1193, 0.3749,
0.4678


 142.0673, 0.3451,
0.3925

 8.2037, 0.3825,
0.4944

177.3210, 0.3430,
0.3879

 4.2256, 0.3920,
0.5344

217.9718, 0.3411,
0.3839

 1.8005, 0.4012,
0.5988

264.4039, 0.3394,

 0.4875, 0.1862,

0.3804

0.8138

317.0019, 0.3379,
0.3773

0.0000, 0.0000,
0.0000

47.3350, 0.3578,
0.4215

47.3350, 0.3578,
0.4215

46.6002, 0.3689,
0.4463

48.1711, 0.3457,
0.3958

45.9549, 0.3785,
0.4690

49.1070, 0.3332,
0.3699

45.3952, 0.3861,
0.4888

50.1496, 0.3207,
0.3448


44.9146, 0.3913,
0.5047


51.3030, 0.3085,
0.3208


44.5051, 0.3940,
0.5162

52.5713, 0.2968,
0.2983


 44.1564, 0.3942,
0.5233

 53.9584, 0.2859,
0.2776

 44.0420, 0.3940,
0.5254

 55.4680, 0.2757,
0.2585

 56.0163, 0.2759,
0.2563

 56.3982, 0.2778,
0.2567

Harmonies

Analogous

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



47.3350, 0.3975, 0.4044



47.3350, 0.3578, 0.4215



47.3350, 0.3079, 0.4097

Triad

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



47.3350, 0.3578, 0.4215



47.3350, 0.2202, 0.2758



47.3350, 0.3627, 0.2919

Complementary

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



47.3350, 0.3578, 0.4215



21.8486, 0.2562, 0.2230

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.



47.3350, 0.3110, 0.2631



47.3350, 0.3578, 0.4215



47.3350, 0.2318, 0.2523

Square

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



47.3350, 0.3578, 0.4215



47.3350, 0.2304, 0.3181



47.3350, 0.2636, 0.2487



47.3350, 0.4020, 0.3297

Rectangle

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



47.3350, 0.3578, 0.4215



47.3350, 0.2758, 0.3852



47.3350, 0.2636, 0.2487



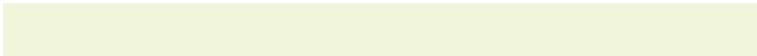
47.3350, 0.3460, 0.2810

Sweetspot

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



47.3371, 0.3578, 0.4215



88.9234, 0.3265, 0.3564



27.9260, 0.3951, 0.3421



19.0685, 0.3282, 0.3598



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



47.3371, 0.3578, 0.4215



83.6878, 0.3670, 0.4419



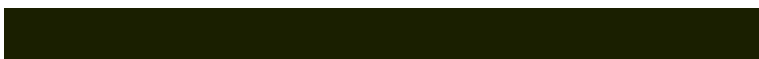
43.7974, 0.3280, 0.4312



11.0487, 0.3243, 0.3518



29.6587, 0.3943, 0.5251



1.1811, 0.4007, 0.5200

Inverse Universe

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



21.8486, 0.2562, 0.2230



31.2362, 0.2406, 0.1953



24.9654, 0.2899, 0.2324



9.2898, 0.3006, 0.3054



2.6526, 0.1564, 0.0635



0.1254, 0.1750, 0.0737

Previews

White Background



This preview shows how the Yxy color 47.3350, 0.3578, 0.4215 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 47.3350, 0.3578, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

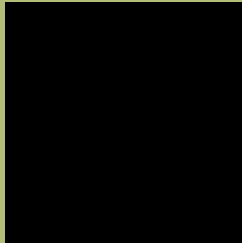
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3350, 0.3578, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 47.3350, 0.3578, 0.4215.



This preview shows how white text looks on a background with the Yxy color 47.3350, 0.3578, 0.4215.

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

47.3350, 0.3578, 0.4215

Protanopia

47.3171, 0.3804, 0.4113

Deuteranopia

47.1501, 0.3991, 0.3911



Tritanopia

47.2289, 0.3085, 0.3113

Trichromacy



Original Color

47.3350, 0.3578, 0.4215

Protanomaly

47.2363, 0.3721, 0.4144

Deuteranomaly

46.8850, 0.3833, 0.4017

Tritanomaly

46.9713, 0.3272, 0.3500

Monochromacy



Original Color

47.3350, 0.3578, 0.4215

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3552, 0.3294, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3350, 0.3578, 0.4215 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(179, 189, 120)` looks like.

```
.text, #text, p{  
    color:rgb(179, 189, 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(179, 189, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 189, 120) }
```

Border

The CSS property to change the border of an element to Yxy 47.3350, 0.3578, 0.4215 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(179, 189, 120) }
```

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

```
.border{ border-color:rgb(179, 189, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 189, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 189, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 189, 120);  
box-shadow:4px 4px 4px 4px rgb(179, 189,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3350, 0.3578, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 189, 120) }
```

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

```
.background{ background-color: rgb(179,  
189, 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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