

Converting Colors

$Y_{xy}(47.2987, 0.3823, 0.4470)$

Have a look what the booklet for
Yxy(47.2987, 0.3823, 0.4470)
contains.

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Color

Yxy(47.2501, 0.3819, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	BABC60
RGB	186, 188, 96
RGB Percent	73%, 74%, 38%
CMY	0.2704, 0.2628, 0.6236
CMYK	0.01, 0.00, 0.49, 0.26
HSL	61°, 41%, 56%
HSV	61°, 49%, 74%
XYZ	40.3507, 47.2501, 18.0569
YIQ	176.9140, 28.3400, -29.0360

Conversions

Conversions Part 2

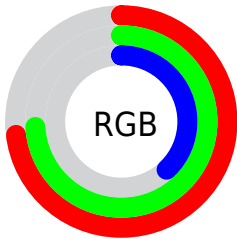
Format	Color
RYB	96, 188, 98
Decimal	12237920
CIELab	74.35, -13.65, 45.89
CIELCh	74, 47.881, 106.565
Yxy	47.2501, 0.3819, 0.4472
Android (android.graphics.Color)	4290428000 (0xFFBABC60)
YUV	176.9140, -39.8906, 7.9684
Hunter-Lab	68.7387, -15.5106, 32.5423

Details

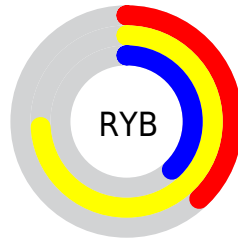
The Yxy color $47.2501, 0.3819, 0.4472$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $14.5884, 0.2222, 0.1772$, and the grayscale version is $44.1244, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1044, 0.3712, 0.4257$, and $22.3427, 0.3964, 0.4788$ is the 20% darker color. If you saturate the color by 10%, you get $46.8964, 0.3933, 0.4670$, and if you desaturate by 10%, it is $47.6910, 0.3689, 0.4247$.

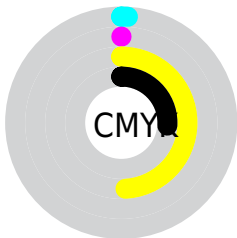
Distribution



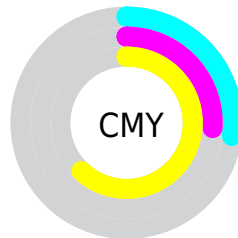
- Red (73%)
- Green (74%)
- Blue (38%)



- Red (38%)
- Yellow (74%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (49%)
- Black (26%)





- Cyan (27%)
- Magenta (26%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2501, 0.3819, 0.4472 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 47.2501, 0.3819, 0.4472 by changing the saturation by 10% instead.


 47.2501, 0.3819,
0.4472

 47.2501, 0.3819,
0.4472


375.8119, 0.3499,
0.3883


 33.2334, 0.3886,
0.4612


 86.0868, 0.3712,
0.4261


 22.3053, 0.3962,
0.4786


 111.6756, 0.3668,
0.4181

 14.0814, 0.4045,
0.5003


 141.8906, 0.3631,
0.4113

 8.1773, 0.4125,
0.5274

 177.1162, 0.3598,
0.4054

 4.2086, 0.4265,
0.5735

217.7367, 0.3569,
0.4002

 1.7909, 0.4058,
0.5942

264.1366, 0.3543,

 0.4815, 0.2053,

0.3957

0.7947

316.7002, 0.3520,
0.3918

0.0000, 0.0000,
0.0000

47.2501, 0.3819,
0.4472

47.2501, 0.3819,
0.4472

46.8964, 0.3933,
0.4670

47.6910, 0.3689,
0.4247

46.6175, 0.4025,
0.4834

48.2182, 0.3548,
0.4005

46.4087, 0.4093,
0.4956


48.8386, 0.3401,
0.3756


46.2620, 0.4135,
0.5035

49.5569, 0.3255,
0.3507

46.1636, 0.4155,
0.5078


50.3773, 0.3112,
0.3265

 46.1540, 0.4156,
0.5082

 51.3039, 0.2976,
0.3035

 52.3405, 0.2848,
0.2820

 53.4907, 0.2730,
0.2621

 54.0844, 0.2681,
0.2536

Harmonies

Analogous

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



47.2501, 0.4293, 0.4150



47.2501, 0.3819, 0.4472



47.2501, 0.3188, 0.4440

Triad

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



47.2501, 0.3819, 0.4472



47.2501, 0.1959, 0.2687



47.2501, 0.3632, 0.2723

Complementary

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



47.2501, 0.3819, 0.4472



14.5884, 0.2222, 0.1772

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.



47.2501, 0.2950, 0.2402



47.2501, 0.3819, 0.4472



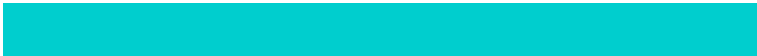
47.2501, 0.2046, 0.2349

Square

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



47.2501, 0.3819, 0.4472



47.2501, 0.2137, 0.3275



47.2501, 0.2386, 0.2264



47.2501, 0.4209, 0.3170

Rectangle

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



47.2501, 0.3819, 0.4472



47.2501, 0.2765, 0.4167



47.2501, 0.2386, 0.2264



47.2501, 0.3403, 0.2598

Sweetspot

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



47.2523, 0.3819, 0.4472



88.9784, 0.3347, 0.3663



20.1816, 0.4463, 0.3315



19.0773, 0.3378, 0.3716



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.



47.2523, 0.3819, 0.4472



84.9403, 0.3943, 0.4689



42.4239, 0.3404, 0.4660



11.1099, 0.3261, 0.3517



31.4305, 0.4157, 0.5081



1.2345, 0.4166, 0.5074

Inverse Universe

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



14.5884, 0.2222, 0.1772



18.6751, 0.1995, 0.1396



17.8813, 0.2674, 0.1938



9.2348, 0.2987, 0.3053



2.4938, 0.1508, 0.0604



0.1010, 0.1539, 0.0621

Previews

White Background



This preview shows how the Yxy color 47.2501, 0.3819, 0.4472 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 47.2501, 0.3819, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

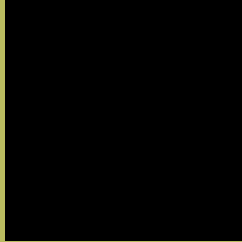
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2501, 0.3819, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 47.2501, 0.3819, 0.4472.



This preview shows how white text looks on a background with the Yxy color 47.2501, 0.3819, 0.4472.

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

47.2501, 0.3819, 0.4472

Protanopia

47.2317, 0.4012, 0.4375

Deuteranopia

47.0202, 0.4241, 0.4143



Tritanopia

46.9416, 0.3179, 0.3116

Trichromacy



Original Color

47.2501, 0.3819, 0.4472

Protanomaly

47.2599, 0.3936, 0.4410

Deuteranomaly

46.8237, 0.4084, 0.4259

Tritanomaly

46.6545, 0.3430, 0.3615

Monochromacy



Original Color

47.2501, 0.3819, 0.4472

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8892, 0.3388, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2501, 0.3819, 0.4472 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(186, 188, 96)` looks like.

```
.text, #text, p{  
    color:rgb(186, 188, 96)  
}
```

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(186, 188, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 188, 96) }
```

Border

The CSS property to change the border of an element to Yxy 47.2501, 0.3819, 0.4472 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(186, 188, 96) }
```

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

```
.border{ border-color:rgb(186, 188, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 188, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 188, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 188, 96);  
box-shadow:4px 4px 4px 4px rgb(186, 188,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2501, 0.3819, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 188, 96) }
```

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

```
.background{ background-color: rgb(186,  
188, 96) }
```

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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