

Converting Colors

$Y_{xy}(47.5740, 0.3510, 0.4071)$

Have a look what the booklet for
Yxy(47.5740, 0.3510, 0.4071)
contains.

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Color

Yxy(47.7102, 0.3511, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	B4BD82
RGB	180, 189, 130
RGB Percent	71%, 74%, 51%
CMY	0.2940, 0.2588, 0.4901
CMYK	0.05, 0.00, 0.31, 0.26
HSL	69°, 31%, 63%
HSV	69°, 31%, 74%
XYZ	41.0565, 47.7102, 28.1701
YIQ	179.5830, 13.5750, -20.2570

Conversions

Conversions Part 2

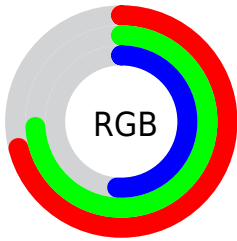
Format	Color
RYB	130, 189, 139
Decimal	11844994
CIELab	74.64, -12.73, 28.84
CIELCh	75, 31.525, 113.822
Yxy	47.7102, 0.3511, 0.4080
Android (android.graphics.Color)	4290035074 (0xFFB4BD82)
YUV	179.5830, -24.4444, 0.3657
Hunter-Lab	69.0726, -14.7772, 24.1704

Details

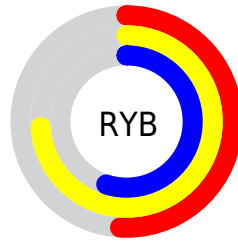
The Yxy color **47.7102, 0.3511, 0.4080** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.1309, 0.2662, 0.2406**, and the grayscale version is **45.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5566, 0.3447, 0.3937**, and **22.6231, 0.3596, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **46.9094, 0.3626, 0.4335**, and if you desaturate by 10%, it is **48.6156, 0.3389, 0.3821**.

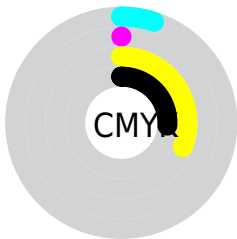
Distribution



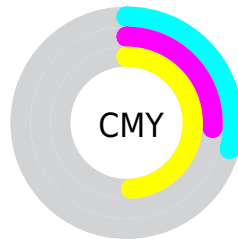
- Red (71%)
- Green (74%)
- Blue (51%)



- Red (51%)
- Yellow (74%)
- Blue (55%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)





- Cyan (29%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7102, 0.3511, 0.4080 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 47.7102, 0.3511, 0.4080 by changing the saturation by 10% instead.


 47.7102, 0.3511,
0.4080

 47.7102, 0.3511,
0.4080


377.6423, 0.3328,
0.3679

 33.5974, 0.3553,
0.4181


 86.7728, 0.3447,
0.3934

 22.5845, 0.3604,
0.4310


 112.4914, 0.3422,
0.3879

 14.2870, 0.3666,
0.4481


 142.8474, 0.3401,
0.3832

 8.3206, 0.3742,
0.4715

178.2252, 0.3383,
0.3793

 4.3007, 0.3828,
0.5051

219.0092, 0.3366,
0.3759

 1.8432, 0.4122,
0.5878

265.5838, 0.3352,

 0.5139, 0.2568,

0.3729

0.7432

318.3333, 0.3339,
0.3702

0.0000, 0.0000,
0.0000

47.7102, 0.3511,
0.4080

47.7102, 0.3511,
0.4080

46.9094, 0.3626,
0.4335

48.6156, 0.3389,
0.3821

46.2017, 0.3730,
0.4576

49.6240, 0.3264,
0.3565

45.5836, 0.3816,
0.4792


50.7419, 0.3142,
0.3319


45.0487, 0.3880,
0.4974


51.9736, 0.3023,
0.3087


44.5899, 0.3919,
0.5114

53.3230, 0.2911,
0.2871


 44.1988, 0.3932,
0.5209

 54.7938, 0.2806,
0.2673

 43.8960, 0.3927,
0.5264

 55.9095, 0.2754,
0.2562

 56.3087, 0.2774,
0.2566

 56.7155, 0.2794,
0.2570

Harmonies

Analogous

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



47.7102, 0.3853, 0.3950



47.7102, 0.3511, 0.4080



47.7102, 0.3081, 0.3967

Triad

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



47.7102, 0.3511, 0.4080



47.7102, 0.2324, 0.2830



47.7102, 0.3566, 0.2977

Complementary

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



47.7102, 0.3511, 0.4080



25.1309, 0.2662, 0.2406

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.



47.7102, 0.3126, 0.2721



47.7102, 0.3511, 0.4080



47.7102, 0.2430, 0.2625

Square

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



47.7102, 0.3511, 0.4080



47.7102, 0.2411, 0.3192



47.7102, 0.2714, 0.2593



47.7102, 0.3896, 0.3311

Rectangle

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



47.7102, 0.3511, 0.4080



47.7102, 0.2804, 0.3757



47.7102, 0.2714, 0.2593



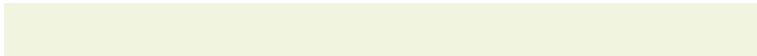
47.7102, 0.3425, 0.2880

Sweetspot

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



47.7123, 0.3511, 0.4080



89.2798, 0.3239, 0.3513



30.8563, 0.3788, 0.3415



19.1388, 0.3257, 0.3550



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.



47.7123, 0.3511, 0.4080



84.5207, 0.3586, 0.4244



44.5514, 0.3253, 0.4150



11.0452, 0.3241, 0.3518



29.5635, 0.3931, 0.5261



1.1782, 0.3998, 0.5208

Inverse Universe

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



25.1309, 0.2662, 0.2406



38.0882, 0.2546, 0.2195



28.0076, 0.2950, 0.2474



9.2931, 0.3007, 0.3054



2.6664, 0.1569, 0.0638



0.1268, 0.1761, 0.0744

Previews

White Background



This preview shows how the Yxy color 47.7102, 0.3511, 0.4080 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 47.7102, 0.3511, 0.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

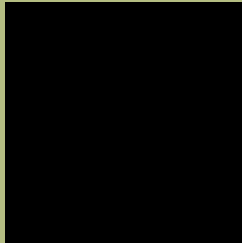
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7102, 0.3511, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 47.7102, 0.3511, 0.4080.



This preview shows how white text looks on a background with the Yxy color 47.7102, 0.3511, 0.4080.

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

47.7102, 0.3511, 0.4080

Protanopia

47.4313, 0.3714, 0.3992

Deuteranopia

47.4958, 0.3880, 0.3809



Tritanopia

47.6792, 0.3076, 0.3113

Trichromacy



Original Color

47.7102, 0.3511, 0.4080

Protanomaly

47.3593, 0.3633, 0.4020

Deuteranomaly

47.5511, 0.3745, 0.3906

Tritanomaly

47.5355, 0.3239, 0.3460

Monochromacy



Original Color

47.7102, 0.3511, 0.4080

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1789, 0.3269, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7102, 0.3511, 0.4080 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(180, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(180, 189, 130)  
}
```

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(180, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 189, 130) }
```

Border

The CSS property to change the border of an element to Yxy 47.7102, 0.3511, 0.4080 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(180, 189, 130) }
```

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

```
.border{ border-color:rgb(180, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(180, 189,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7102, 0.3511, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 189, 130) }
```

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

```
.background{ background-color: rgb(180,  
189, 130) }
```

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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