

Converting Colors

$Y_{xy}(46.4683, 0.3605, 0.4073)$

Have a look what the booklet for
Yxy(46.4683, 0.3605, 0.4073)
contains.

Yxy(46.5186, 0.3601, 0.4074)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.5186, 0.3601, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	B9B97E
RGB	185, 185, 126
RGB Percent	73%, 73%, 49%
CMY	0.2746, 0.2745, 0.5059
CMYK	0.00, 0.00, 0.32, 0.27
HSL	60°, 30%, 61%
HSV	60°, 32%, 73%
XYZ	41.1177, 46.5186, 26.5478
YIQ	178.2740, 18.9390, -18.3490

Conversions

Conversions Part 2

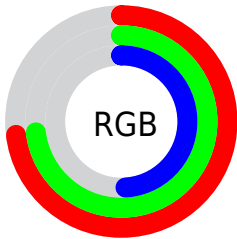
Format	Color
RYB	126, 185, 126
Decimal	12171646
CIELab	73.88, -9.26, 30.02
CIELCh	74, 31.419, 107.151
Yxy	46.5186, 0.3601, 0.4074
Android (android.graphics.Color)	4290361726 (0xFFB9B97E)
YUV	178.2740, -25.7711, 5.8987
Hunter-Lab	68.2045, -11.7477, 24.6653

Details

The Yxy color $46.5186, 0.3601, 0.4074$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $22.8614, 0.2567, 0.2364$, and the grayscale version is $44.8042, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0425, 0.3523, 0.3932$, and $21.8496, 0.3722, 0.4299$ is the 20% darker color. If you saturate the color by 10%, you get $46.0850, 0.3743, 0.4309$, and if you desaturate by 10%, it is $47.0447, 0.3452, 0.3828$.

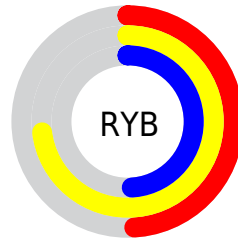
Distribution



Red (73%)

Green (73%)

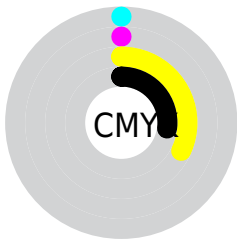
Blue (49%)



Red (49%)

Yellow (73%)

Blue (49%)

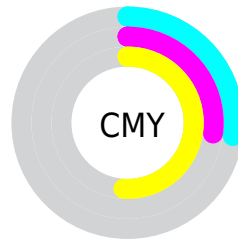


Cyan (0%)

Magenta (0%)

Yellow (32%)

Black (27%)



Cyan (27%)

Magenta (27%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5186, 0.3601, 0.4074 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 46.5186, 0.3601, 0.4074 by changing the saturation by 10% instead.

■ 46.5186, 0.3601,
0.4074

■ 46.5186, 0.3601,
0.4074

372.8897, 0.3372,
0.3678

■ 32.6553, 0.3654,
0.4173

■ 84.9946, 0.3520,
0.3930

■ 21.8625, 0.3720,
0.4299

■ 110.3760, 0.3489,
0.3876

■ 13.7559, 0.3802,
0.4464

■ 140.3656, 0.3462,
0.3830

■ 7.9511, 0.3904,
0.4688

175.3478, 0.3439,
0.3791

■ 4.0637, 0.4031,
0.5008

215.7068, 0.3419,
0.3757

■ 1.7092, 0.4317,
0.5683

261.8273, 0.3402,

■ 0.4296, 0.2978,

0.3727

0.7022

314.0934, 0.3386,
0.3701

0.0000, 0.0000,
0.0000

46.5186, 0.3601,
0.4074

46.5186, 0.3601,
0.4074

46.0850, 0.3743,
0.4309

47.0447, 0.3452,
0.3828

45.7328, 0.3873,
0.4524

47.6616, 0.3302,
0.3579

45.4586, 0.3984,
0.4708


48.3755, 0.3155,
0.3335


45.2566, 0.4073,
0.4856

49.1903, 0.3013,
0.3102


45.1199, 0.4137,
0.4961


50.1099, 0.2880,
0.2881


 45.0403, 0.4175,
0.5025

 51.1376, 0.2757,
0.2677

 45.0047, 0.4192,
0.5053

 52.2445, 0.2646,
0.2495

 52.2460, 0.2646,
0.2495

 52.2474, 0.2646,
0.2495

Harmonies

Analogous

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



46.5186, 0.3909, 0.3898



46.5186, 0.3601, 0.4074



46.5186, 0.3178, 0.4018

Triad

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



46.5186, 0.3601, 0.4074



46.5186, 0.2323, 0.2897



46.5186, 0.3475, 0.2909

Complementary

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



46.5186, 0.3601, 0.4074



22.8614, 0.2567, 0.2364

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.



46.5186, 0.3027, 0.2678



46.5186, 0.3601, 0.4074



46.5186, 0.2387, 0.2652

Square

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



46.5186, 0.3601, 0.4074



46.5186, 0.2453, 0.3287



46.5186, 0.2635, 0.2582



46.5186, 0.3843, 0.3232

Rectangle

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



46.5186, 0.3601, 0.4074



46.5186, 0.2891, 0.3840



46.5186, 0.2635, 0.2582



46.5186, 0.3327, 0.2820

Sweetspot

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



46.5207, 0.3601, 0.4074



85.5578, 0.3276, 0.3536



26.7422, 0.3845, 0.3292



18.4082, 0.3297, 0.3571



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



46.5207, 0.3601, 0.4074



82.7642, 0.3698, 0.4234



43.2279, 0.3333, 0.4148



10.5031, 0.3264, 0.3516



30.6397, 0.4192, 0.5053



1.0802, 0.4192, 0.5053

Inverse Universe

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



22.8614, 0.2567, 0.2364



34.0050, 0.2428, 0.2133



25.4419, 0.2854, 0.2434



8.7198, 0.2984, 0.3054



2.3857, 0.1500, 0.0600



0.0842, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 46.5186, 0.3601, 0.4074 looks on a white background.

Color Contrast Check

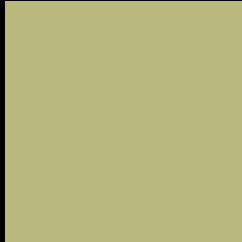
Large Text (above 18pt) WCAG AA × Fail

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 46.5186, 0.3601, 0.4074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

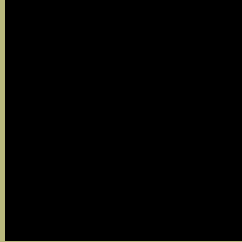
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5186, 0.3601, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 46.5186, 0.3601, 0.4074.



This preview shows how white text looks on a background with the Yxy color 46.5186, 0.3601, 0.4074.

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

46.5186, 0.3601, 0.4074

Protanopia

46.2387, 0.3736, 0.4024

Deuteranopia

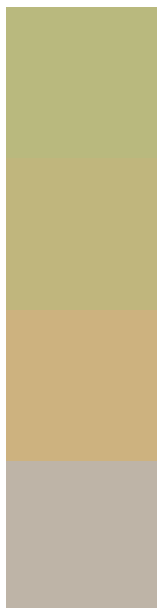
46.4295, 0.3924, 0.3848



Tritanopia

46.5433, 0.3153, 0.3114

Trichromacy



Original Color

46.5186, 0.3601, 0.4074

Protanomaly

46.1430, 0.3686, 0.4034

Deuteranomaly

46.3522, 0.3809, 0.3930

Tritanomaly

46.3797, 0.3321, 0.3459

Monochromacy



Original Color

46.5186, 0.3601, 0.4074

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.3747, 0.3306, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5186, 0.3601, 0.4074 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(185, 185, 126)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 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(185, 185, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 126) }
```

Border

The CSS property to change the border of an element to Yxy 46.5186, 0.3601, 0.4074 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(185, 185, 126) }
```

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

```
.border{ border-color:rgb(185, 185, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 185, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 185, 126); box-shadow:4px 4px 4px 4px rgb(185, 185, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5186, 0.3601, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 126) }
```

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

```
.background{ background-color: rgb(185,  
185, 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](#).

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