

Converting Colors

$Y_{xy}(46.9480, 0.3601, 0.3940)$

Have a look what the booklet for
Yxy(46.9480, 0.3601, 0.3940)
contains.

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Color

Yxy(47.0786, 0.3596, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	BFB886
RGB	191, 184, 134
RGB Percent	75%, 72%, 53%
CMY	0.2509, 0.2784, 0.4744
CMYK	0.00, 0.04, 0.30, 0.25
HSL	53°, 31%, 64%
HSV	53°, 30%, 75%
XYZ	42.9355, 47.0786, 29.3838
YIQ	180.3930, 20.2220, -14.0660

Conversions

Conversions Part 2

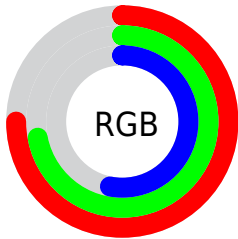
Format	Color
RYB	142, 191, 134
Decimal	12564614
CIELab	74.24, -5.32, 26.34
CIELCh	74, 26.874, 101.420
Yxy	47.0786, 0.3596, 0.3943
Android (android.graphics.Color)	4290754694 (0xFFBFB886)
YUV	180.3930, -22.8717, 9.3023
Hunter-Lab	68.6138, -8.3769, 22.6388

Details

The Yxy color $47.0786, 0.3596, 0.3943$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $27.8969, 0.2619, 0.2540$, and the grayscale version is $45.9848, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9075, 0.3511, 0.3821$, and $22.1911, 0.3721, 0.4122$ is the 20% darker color. If you saturate the color by 10%, you get $45.6240, 0.3759, 0.4159$, and if you desaturate by 10%, it is $48.6501, 0.3433, 0.3721$.

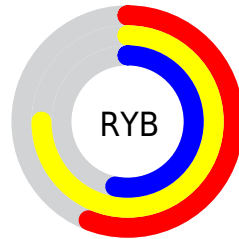
Distribution



Red (75%)

Green (72%)

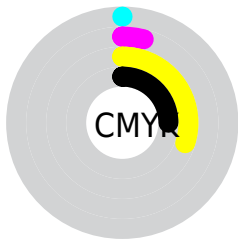
Blue (53%)



Red (56%)

Yellow (75%)

Blue (53%)

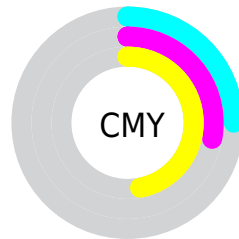


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (25%)



Cyan (25%)


Magenta (28%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0786, 0.3596, 0.3943 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 47.0786, 0.3596, 0.3943 by changing the saturation by 10% instead.


 47.0786, 0.3596,
0.3943


 47.0786, 0.3596,
0.3943


375.1282, 0.3366,
0.3616


 33.0978, 0.3651,
0.4024


 85.8309, 0.3514,
0.3824

 22.2014, 0.3720,
0.4127


 111.3713, 0.3483,
0.3780

 14.0049, 0.3808,
0.4263


 141.5335, 0.3456,
0.3742

 8.1241, 0.3922,
0.4446

176.7022, 0.3433,
0.3709

 4.1745, 0.4073,
0.4705

217.2616, 0.3413,
0.3681

 1.7716, 0.4562,
0.5438

263.5961, 0.3396,

 0.4694, 0.4025,

0.3657

0.5975

316.0902, 0.3380,
0.3635

■ 0.0000, 0.0000,
0.0000

■ 47.0786, 0.3596,
0.3943

■ 47.0786, 0.3596,
0.3943

■ 45.6240, 0.3759,
0.4159

■ 48.6501, 0.3433,
0.3721

■ 44.2745, 0.3918,
0.4361

■ 50.3369, 0.3275,
0.3500

■ 43.0267, 0.4064,
0.4539

■ 52.1458, 0.3125,
0.3287

■ 41.8740, 0.4193,
0.4683

■ 54.0810, 0.2985,
0.3084

■ 40.8093, 0.4297,
0.4786

■ 56.1466, 0.2856,
0.2894

■ 39.8240, 0.4374,
0.4844

■ 58.3464, 0.2738,
0.2719

■ 38.9015, 0.4428,
0.4865

■ 59.8363, 0.2703,
0.2682

■ 38.8874, 0.4429,
0.4866

■ 60.9399, 0.2705,
0.2709

■ 62.0603, 0.2708,
0.2736

Harmonies

Analogous

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



47.0786, 0.3827, 0.3772



47.0786, 0.3596, 0.3943



47.0786, 0.3247, 0.3931

Triad

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



47.0786, 0.3596, 0.3943



47.0786, 0.2443, 0.3015



47.0786, 0.3353, 0.2917

Complementary

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



47.0786, 0.3596, 0.3943



27.8969, 0.2619, 0.2540

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.



47.0786, 0.2973, 0.2735



47.0786, 0.3596, 0.3943



47.0786, 0.2466, 0.2774

Square

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



47.0786, 0.3596, 0.3943



47.0786, 0.2589, 0.3362



47.0786, 0.2654, 0.2680



47.0786, 0.3687, 0.3187

Rectangle

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



47.0786, 0.3596, 0.3943



47.0786, 0.2997, 0.3805



47.0786, 0.2654, 0.2680



47.0786, 0.3226, 0.2844

Sweetspot

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



47.0807, 0.3596, 0.3943



90.3443, 0.3264, 0.3485



30.0764, 0.3696, 0.3187



19.7376, 0.3287, 0.3517



97.7402, 0.3127, 0.3290



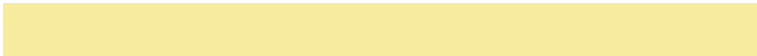
20.4902, 0.3127, 0.3290

Same Dimension

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



47.0807, 0.3596, 0.3943



82.5184, 0.3706, 0.4090



47.5555, 0.3387, 0.4073



10.9142, 0.3267, 0.3489



25.6279, 0.4425, 0.4868



1.0610, 0.4362, 0.4918

Inverse Universe

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



27.8969, 0.2619, 0.2540



42.5205, 0.2488, 0.2338



27.7784, 0.2801, 0.2475



9.4100, 0.2984, 0.3082



2.9550, 0.1529, 0.0704



0.1788, 0.1617, 0.1021

Previews

White Background



This preview shows how the Yxy color 47.0786, 0.3596, 0.3943 looks on a white background.

Color Contrast Check

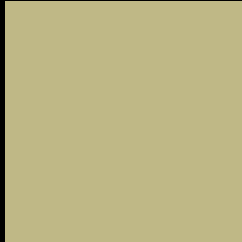
Large Text (above 18pt) WCAG AA × Fail

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 47.0786, 0.3596, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

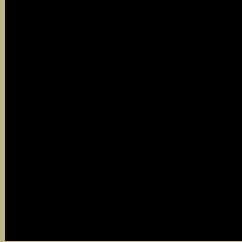
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0786, 0.3596, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 47.0786, 0.3596, 0.3943.



This preview shows how white text looks on a background with the Yxy color 47.0786, 0.3596, 0.3943.

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

47.0786, 0.3596, 0.3943

Protanopia

46.8851, 0.3658, 0.3922

Deuteranopia

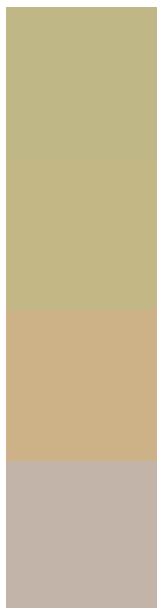
46.8846, 0.3839, 0.3766



Tritanopia

47.1678, 0.3204, 0.3129

Trichromacy



Original Color

47.0786, 0.3596, 0.3943

Protanomaly

47.0298, 0.3635, 0.3938

Deuteranomaly

46.7119, 0.3750, 0.3829

Tritanomaly

47.1469, 0.3341, 0.3418

Monochromacy



Original Color

47.0786, 0.3596, 0.3943

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8824, 0.3299, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0786, 0.3596, 0.3943 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(191, 184, 134)` looks like.

```
.text, #text, p{  
    color:rgb(191, 184, 134)  
}
```

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(191, 184, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 184, 134) }
```

Border

The CSS property to change the border of an element to Yxy 47.0786, 0.3596, 0.3943 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(191, 184, 134) }
```

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

```
.border{ border-color:rgb(191, 184, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 184, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 184, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 184, 134);  
box-shadow:4px 4px 4px 4px rgb(191, 184,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0786, 0.3596, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 184, 134) }
```

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

```
.background{ background-color: rgb(191,  
184, 134) }
```

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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