

Converting Colors

$Yxy(47.1216, 0.3698, 0.4287)$

Have a look what the booklet for
Yxy(47.1216, 0.3698, 0.4287)
contains.

Yxy(47.0248, 0.3701, 0.4275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.0248, 0.3701, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	B9BB70
RGB	185, 187, 112
RGB Percent	73%, 73%, 44%
CMY	0.2743, 0.2667, 0.5607
CMYK	0.01, 0.00, 0.40, 0.27
HSL	62°, 36%, 59%
HSV	62°, 40%, 73%
XYZ	40.7108, 47.0248, 22.2639
YIQ	177.8520, 22.8830, -23.7490

Conversions

Conversions Part 2

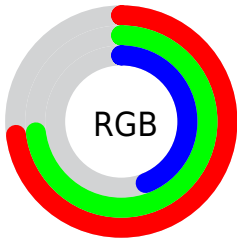
Format	Color
RYB	112, 187, 114
Decimal	12172144
CIELab	74.21, -11.92, 37.70
CIElCh	74, 39.539, 107.541
Yxy	47.0248, 0.3701, 0.4275
Android (android.graphics.Color)	4290362224 (0xFFB9BB70)
YUV	177.8520, -32.4650, 6.2688
Hunter-Lab	68.5746, -14.0352, 28.7527

Details

The Yxy color $47.0248, 0.3701, 0.4275$ is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be $18.7540, 0.2413, 0.2085$, and the grayscale version is $44.6090, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6950, 0.3605, 0.4094$, and $22.1438, 0.3828, 0.4557$ is the 20% darker color. If you saturate the color by 10%, you get $46.5923, 0.3829, 0.4498$, and if you desaturate by 10%, it is $47.5483, 0.3562, 0.4034$.

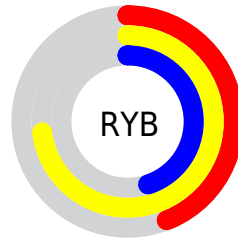
Distribution



Red (73%)

Green (73%)

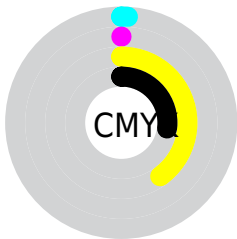
Blue (44%)



Red (44%)

Yellow (73%)

Blue (45%)

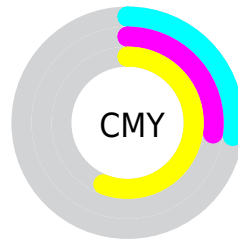


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0248, 0.3701, 0.4275 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 47.0248, 0.3701, 0.4275 by changing the saturation by 10% instead.


 47.0248, 0.3701,
0.4275

 47.0248, 0.3701,
0.4275


374.9135, 0.3429,
0.3779


 33.0553, 0.3761,
0.4396


 85.7506, 0.3607,
0.4096

 22.1688, 0.3833,
0.4550


 111.2757, 0.3570,
0.4028

 13.9810, 0.3918,
0.4747


 141.4215, 0.3539,
0.3971

 8.1074, 0.4014,
0.5006

 176.5722, 0.3511,
0.3921

 4.1638, 0.4182,
0.5449

217.1124, 0.3487,
0.3879

 1.7656, 0.4161,
0.5839

263.4264, 0.3465,

 0.4656, 0.2457,

0.3841

0.7543

315.8987, 0.3446,
0.3809

0.0000, 0.0000,
0.0000

47.0248, 0.3701,
0.4275

47.0248, 0.3701,
0.4275

46.5923, 0.3829,
0.4498

47.5483, 0.3562,
0.4034

46.2390, 0.3939,
0.4694

48.1612, 0.3417,
0.3785

45.9610, 0.4028,
0.4853


48.8704, 0.3271,
0.3535


45.7515, 0.4092,
0.4972

49.6800, 0.3129,
0.3292

45.6024, 0.4130,
0.5047

50.5941, 0.2992,
0.3061

 45.4983, 0.4148,
0.5088

 51.6165, 0.2864,
0.2844

 52.7506, 0.2745,
0.2644

 53.5671, 0.2675,
0.2523

 53.6293, 0.2678,
0.2524

Harmonies

Analogous

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



47.0248, 0.4095, 0.4037



47.0248, 0.3701, 0.4275



47.0248, 0.3172, 0.4217

Triad

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



47.0248, 0.3701, 0.4275



47.0248, 0.2138, 0.2784



47.0248, 0.3566, 0.2824

Complementary

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



47.0248, 0.3701, 0.4275



18.7540, 0.2413, 0.2085

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.



47.0248, 0.3003, 0.2543



47.0248, 0.3701, 0.4275



47.0248, 0.2219, 0.2496

Square

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



47.0248, 0.3701, 0.4275



47.0248, 0.2288, 0.3269



47.0248, 0.2520, 0.2422



47.0248, 0.4032, 0.3214

Rectangle

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



47.0248, 0.3701, 0.4275



47.0248, 0.2818, 0.3987



47.0248, 0.2520, 0.2422



47.0248, 0.3379, 0.2716

Sweetspot

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



47.0269, 0.3701, 0.4275



87.2543, 0.3301, 0.3587



23.6032, 0.4117, 0.3311



19.1771, 0.3321, 0.3620



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.



47.0269, 0.3701, 0.4275



83.5492, 0.3813, 0.4470



43.0269, 0.3367, 0.4396



11.1076, 0.3260, 0.3517



31.3570, 0.4149, 0.5088



1.2323, 0.4160, 0.5079

Inverse Universe

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



18.7540, 0.2413, 0.2085



26.0064, 0.2230, 0.1780



21.7348, 0.2777, 0.2196



9.2369, 0.2988, 0.3053



2.4986, 0.1510, 0.0605



0.1020, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 47.0248, 0.3701, 0.4275 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 47.0248, 0.3701, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

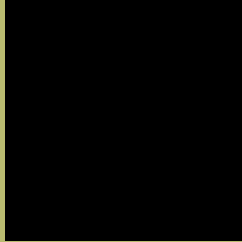
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0248, 0.3701, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 47.0248, 0.3701, 0.4275.



This preview shows how white text looks on a background with the Yxy color 47.0248, 0.3701, 0.4275.

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

47.0248, 0.3701, 0.4275

Protanopia

46.7238, 0.3871, 0.4197

Deuteranopia

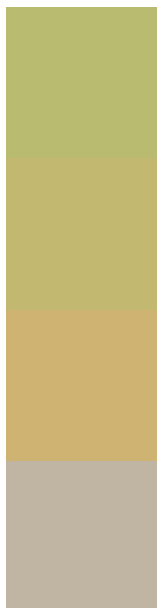
46.7256, 0.4074, 0.3987



Tritanopia

47.0717, 0.3161, 0.3127

Trichromacy



Original Color

47.0248, 0.3701, 0.4275

Protanomaly

46.8980, 0.3806, 0.4224

Deuteranomaly

46.7205, 0.3931, 0.4092

Tritanomaly

46.7327, 0.3371, 0.3537

Monochromacy



Original Color

47.0248, 0.3701, 0.4275

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2046, 0.3347, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0248, 0.3701, 0.4275 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, 187, 112)` looks like.

```
.text, #text, p{  
    color:rgb(185, 187, 112)  
}
```

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, 187, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 187, 112) }
```

Border

The CSS property to change the border of an element to Yxy 47.0248, 0.3701, 0.4275 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, 187, 112) }
```

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

```
.border{ border-color:rgb(185, 187, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 187, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 187, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 187, 112);  
box-shadow:4px 4px 4px 4px rgb(185, 187,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0248, 0.3701, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 187, 112) }
```

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

```
.background{ background-color: rgb(185,  
187, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor