

Converting Colors

$Y_{xy}(47.2913, 0.3416, 0.3770)$

Have a look what the booklet for
Yxy(47.2913, 0.3416, 0.3770)
contains.

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Color

Yxy(47.1821, 0.3416, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	B9B995
RGB	185, 185, 149
RGB Percent	73%, 73%, 58%
CMY	0.2744, 0.2745, 0.4157
CMYK	0.00, 0.00, 0.19, 0.27
HSL	60°, 20%, 65%
HSV	60°, 19%, 73%
XYZ	42.7858, 47.1821, 35.2832
YIQ	180.8960, 11.5560, -11.1960

Conversions

Conversions Part 2

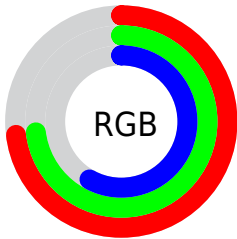
Format	Color
R _Y B	149, 185, 149
Decimal	12171669
CIE Lab	74.31, -6.05, 18.33
CIE LCh	74, 19.301, 108.274
Yxy	47.1821, 0.3416, 0.3767
Android (android.graphics.Color)	4290361749 (0xFFB9B995)
YUV	180.8960, -15.7247, 3.5992
Hunter-Lab	68.6892, -9.0204, 17.6273

Details

The Yxy color $47.1821, 0.3416, 0.3767$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $31.3962, 0.2809, 0.2764$, and the grayscale version is $46.2339, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.9232, 0.3364, 0.3682$, and $22.2899, 0.3500, 0.3906$ is the 20% darker color. If you saturate the color by 10%, you get $46.6329, 0.3566, 0.4014$, and if you desaturate by 10%, it is $47.8294, 0.3266, 0.3519$.

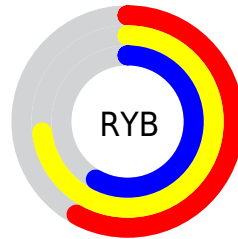
Distribution



Red (73%)

Green (73%)

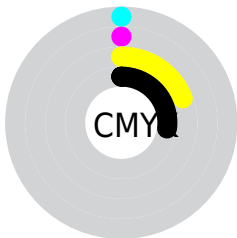
Blue (58%)



Red (58%)

Yellow (73%)

Blue (58%)

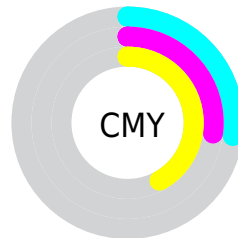


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1821, 0.3416, 0.3767 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 47.1821, 0.3416, 0.3767 by changing the saturation by 10% instead.


 47.1821, 0.3416,
0.3767


 47.1821, 0.3416,
0.3767


375.5409, 0.3274,
0.3526

 33.1796, 0.3450,
0.3828


 85.9854, 0.3365,
0.3679

 22.2641, 0.3494,
0.3905


 111.5550, 0.3346,
0.3646

 14.0511, 0.3551,
0.4009


141.7491, 0.3329,
0.3618

 8.1562, 0.3627,
0.4154

176.9521, 0.3315,
0.3595

 4.1951, 0.3733,
0.4368

217.5484, 0.3303,
0.3574

 1.7833, 0.3977,
0.4824

263.9223, 0.3292,

 0.4767, 0.3905,

0.3556

0.6095

316.4584, 0.3282,
0.3540

0.0000, 0.0000,
0.0000

47.1821, 0.3416,
0.3767

47.1821, 0.3416,
0.3767

46.6329, 0.3566,
0.4014

47.8294, 0.3266,
0.3519

46.1710, 0.3710,
0.4253

48.5727, 0.3120,
0.3278

45.7938, 0.3844,
0.4473

49.4178, 0.2980,
0.3047

45.4961, 0.3960,
0.4666

50.3686, 0.2849,
0.2831

45.2720, 0.4055,
0.4822

51.4284, 0.2728,
0.2631

■ 45.1151, 0.4126,
0.4938

■ 52.2736, 0.2646,
0.2495

■ 45.0174, 0.4170,
0.5011

■ 52.2801, 0.2646,
0.2496

■ 44.9643, 0.4194,
0.5050

■ 52.2867, 0.2646,
0.2496

■ 44.9619, 0.4195,
0.5051

■ 52.2932, 0.2646,
0.2496

Harmonies

Analogous

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



47.1821, 0.3604, 0.3679



47.1821, 0.3416, 0.3767



47.1821, 0.3156, 0.3718

Triad

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



47.1821, 0.3416, 0.3767



47.1821, 0.2621, 0.3049



47.1821, 0.3352, 0.3059

Complementary

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



47.1821, 0.3416, 0.3767



31.3962, 0.2809, 0.2764

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.



47.1821, 0.3080, 0.2906



47.1821, 0.3416, 0.3767



47.1821, 0.2667, 0.2892

Square

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



47.1821, 0.3416, 0.3767



47.1821, 0.2703, 0.3286



47.1821, 0.2831, 0.2844



47.1821, 0.3568, 0.3270

Rectangle

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



47.1821, 0.3416, 0.3767



47.1821, 0.2978, 0.3609



47.1821, 0.2831, 0.2844



47.1821, 0.3264, 0.3000

Sweetspot

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



47.1842, 0.3416, 0.3767



86.0630, 0.3216, 0.3437



34.0002, 0.3498, 0.3283



18.5354, 0.3225, 0.3452



93.3107, 0.3127, 0.3290



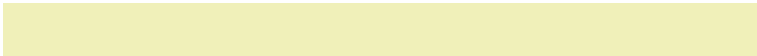
18.7317, 0.3127, 0.3290

Same Dimension

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



47.1842, 0.3416, 0.3767



84.0738, 0.3475, 0.3864



45.1615, 0.3261, 0.3792



10.5021, 0.3264, 0.3516



30.6055, 0.4195, 0.5051



1.0793, 0.4194, 0.5052

Inverse Universe

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



31.3962, 0.2809, 0.2764



51.0715, 0.2736, 0.2643



33.1489, 0.2970, 0.2788



8.7207, 0.2984, 0.3054



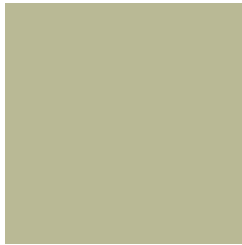
2.3879, 0.1500, 0.0601



0.0846, 0.1501, 0.0603

Previews

White Background



This preview shows how the Yxy color 47.1821, 0.3416, 0.3767 looks on a white background.

Color Contrast Check

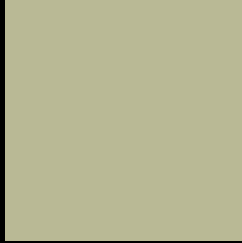
Large Text (above 18pt) WCAG AA × Fail

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 47.1821, 0.3416, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

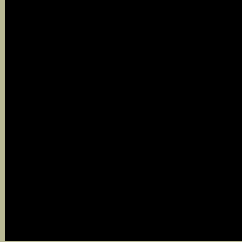
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

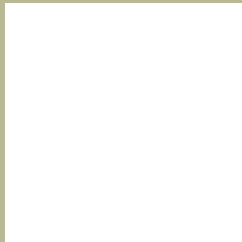
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1821, 0.3416, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 47.1821, 0.3416, 0.3767.



This preview shows how white text looks on a background with the Yxy color 47.1821, 0.3416, 0.3767.

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

47.1821, 0.3416, 0.3767

Protanopia

47.0633, 0.3513, 0.3731

Deuteranopia

47.1339, 0.3663, 0.3599



Tritanopia

47.1668, 0.3118, 0.3114

Trichromacy



Original Color

47.1821, 0.3416, 0.3767

Protanomaly

47.0815, 0.3483, 0.3747

Deuteranomaly

46.9988, 0.3579, 0.3658

Tritanomaly

47.0409, 0.3228, 0.3342

Monochromacy



Original Color

47.1821, 0.3416, 0.3767

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2656, 0.3231, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1821, 0.3416, 0.3767 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 149) }
```

Border

The CSS property to change the border of an element to Yxy 47.1821, 0.3416, 0.3767 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, 149) }
```

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

```
.border{ border-color:rgb(185, 185, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 149);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1821, 0.3416, 0.3767 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, 149) }
```

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

```
.background{ background-color: rgb(185,  
185, 149) }
```

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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