

Converting Colors

$Y_{xy}(45.8257, 0.3414, 0.3762)$

Have a look what the booklet for
Yxy(45.8257, 0.3414, 0.3762)
contains.

Yxy(46.0408, 0.3419, 0.3772)	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(46.0408, 0.3419, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	B7B793
RGB	183, 183, 147
RGB Percent	72%, 72%, 58%
CMY	0.2823, 0.2824, 0.4236
CMYK	0.00, 0.00, 0.20, 0.28
HSL	60°, 20%, 65%
HSV	60°, 20%, 72%
XYZ	41.7321, 46.0408, 34.2865
YIQ	178.8960, 11.5560, -11.1960

Conversions

Conversions Part 2

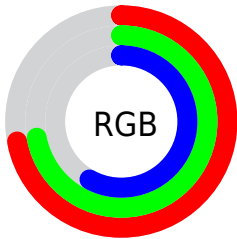
Format	Color
R_{YB}	147, 183, 147
Decimal	12040083
CIE _{Lab}	73.57, -6.06, 18.37
CIE _{LCh}	74, 19.342, 108.258
Yxy	46.0408, 0.3419, 0.3772
Android (android.graphics.Color)	4290230163 (0xFFB7B793)
YUV	178.8960, -15.7247, 3.5992
Hunter-Lab	67.8534, -8.9599, 17.5380

Details

The Yxy color **46.0408, 0.3419, 0.3772** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.4952, 0.2805, 0.2758**, and the grayscale version is **45.1041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3008, 0.3366, 0.3685**, and **21.5556, 0.3505, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **45.5075, 0.3569, 0.4019**, and if you desaturate by 10%, it is **46.6696, 0.3269, 0.3524**.

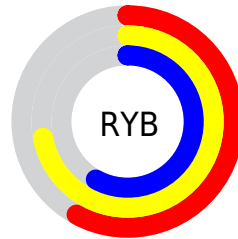
Distribution



Red (72%)

Green (72%)

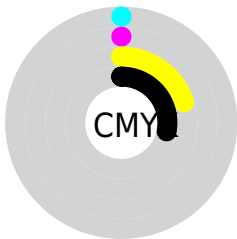
Blue (58%)



Red (58%)

Yellow (72%)

Blue (58%)

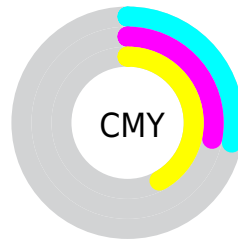


Cyan (0%)

Magenta (0%)

Yellow (20%)

Black (28%)



Cyan (28%)


Magenta (28%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0408, 0.3419, 0.3772 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 46.0408, 0.3419, 0.3772 by changing the saturation by 10% instead.


 46.0408, 0.3419,
0.3772


 46.0408, 0.3419,
0.3772

370.9727, 0.3275,
0.3528

 32.2780, 0.3454,
0.3834


 84.2801, 0.3367,
0.3683

 21.5739, 0.3499,
0.3913


 109.5253, 0.3348,
0.3649

 13.5442, 0.3557,
0.4020


139.3669, 0.3331,
0.3621

 7.8043, 0.3635,
0.4169

174.1891, 0.3317,
0.3597

 3.9700, 0.3744,
0.4390

214.3764, 0.3304,
0.3576

 1.6568, 0.4038,
0.4917

260.3131, 0.3293,

 0.3954, 0.3656,

0.3558

0.6344

312.3838, 0.3284,
0.3542

0.0000, 0.0000,
0.0000

46.0408, 0.3419,
0.3772

46.0408, 0.3419,
0.3772

45.5075, 0.3569,
0.4019

46.6696, 0.3269,
0.3524

45.0592, 0.3713,
0.4257

47.3919, 0.3123,
0.3283

44.6934, 0.3846,
0.4477

48.2133, 0.2983,
0.3052

44.4049, 0.3962,
0.4669

49.1376, 0.2852,
0.2836

44.1881, 0.4057,
0.4825

50.1681, 0.2731,
0.2635

■ 44.0366, 0.4126,
0.4940

■ 51.1912, 0.2630,
0.2469

■ 43.9427, 0.4171,
0.5012

■ 51.1970, 0.2630,
0.2469

■ 43.8916, 0.4194,
0.5050

■ 51.2028, 0.2630,
0.2469

■ 43.8902, 0.4195,
0.5052

■ 51.2086, 0.2630,
0.2469

Harmonies

Analogous

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



46.0408, 0.3609, 0.3683



46.0408, 0.3419, 0.3772



46.0408, 0.3156, 0.3723

Triad

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



46.0408, 0.3419, 0.3772



46.0408, 0.2616, 0.3047



46.0408, 0.3354, 0.3057

Complementary

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



46.0408, 0.3419, 0.3772



30.4952, 0.2805, 0.2758

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.



46.0408, 0.3080, 0.2902



46.0408, 0.3419, 0.3772



46.0408, 0.2662, 0.2888

Square

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



46.0408, 0.3419, 0.3772



46.0408, 0.2698, 0.3286



46.0408, 0.2828, 0.2840



46.0408, 0.3573, 0.3270

Rectangle

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



46.0408, 0.3419, 0.3772



46.0408, 0.2976, 0.3613



46.0408, 0.2828, 0.2840



46.0408, 0.3265, 0.2997

Sweetspot

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



46.0428, 0.3419, 0.3772



84.0028, 0.3216, 0.3437



33.0601, 0.3503, 0.3283



18.5356, 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.



46.0428, 0.3419, 0.3772



81.9652, 0.3490, 0.3889



44.0486, 0.3263, 0.3797



10.5022, 0.3264, 0.3516



30.6095, 0.4195, 0.5052



1.0794, 0.4194, 0.5052

Inverse Universe

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



30.4952, 0.2805, 0.2758



48.6093, 0.2717, 0.2612



32.2204, 0.2968, 0.2782



8.7206, 0.2984, 0.3054



2.3877, 0.1500, 0.0601



0.0845, 0.1501, 0.0603

Previews

White Background



This preview shows how the Yxy color 46.0408, 0.3419, 0.3772 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 46.0408, 0.3419, 0.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

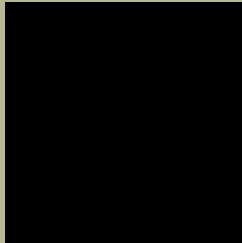
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

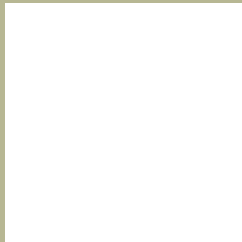
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0408, 0.3419, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 46.0408, 0.3419, 0.3772.



This preview shows how white text looks on a background with the Yxy color 46.0408, 0.3419, 0.3772.

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

46.0408, 0.3419, 0.3772

Protanopia

45.9243, 0.3517, 0.3735

Deuteranopia

45.9973, 0.3669, 0.3602



Tritanopia

46.0247, 0.3118, 0.3112

Trichromacy



Original Color

46.0408, 0.3419, 0.3772

Protanomaly

45.9419, 0.3487, 0.3752

Deuteranomaly

45.8618, 0.3584, 0.3662

Tritanomaly

45.9001, 0.3230, 0.3342

Monochromacy



Original Color

46.0408, 0.3419, 0.3772

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1358, 0.3232, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0408, 0.3419, 0.3772 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(183, 183, 147)` looks like.

```
.text, #text, p{  
  color:rgb(183, 183, 147)  
}
```

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(183, 183, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 183, 147) }
```

Border

The CSS property to change the border of an element to Yxy 46.0408, 0.3419, 0.3772 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(183, 183, 147) }
```

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

```
.border{ border-color:rgb(183, 183, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 183, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 183, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 183, 147);  
box-shadow:4px 4px 4px 4px rgb(183, 183,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0408, 0.3419, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 183, 147) }
```

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

```
.background{ background-color: rgb(183,  
183, 147) }
```

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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