

Converting Colors

$Y_{xy}(43.0485, 0.3756, 0.4190)$

Have a look what the booklet for
Yxy(43.0485, 0.3756, 0.4190)
contains.

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Color

Yxy(42.8844, 0.3763, 0.4187)

Conversions

Conversions Part 1

Format	Color
Hex	B9B16E
RGB	185, 177, 110
RGB Percent	73%, 69%, 43%
CMY	0.2746, 0.3058, 0.5686
CMYK	0.00, 0.04, 0.41, 0.27
HSL	54°, 35%, 58%
HSV	54°, 41%, 73%
XYZ	38.5417, 42.8844, 20.9967
YIQ	171.7540, 26.2750, -19.1410

Conversions

Conversions Part 2

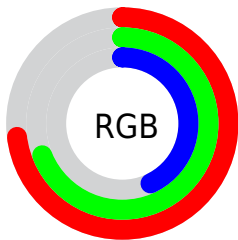
Format	Color
RYB	119, 185, 110
Decimal	12169582
CIELab	71.48, -6.97, 35.27
CIELCh	71, 35.956, 101.176
Yxy	42.8844, 0.3763, 0.4187
Android (android.graphics.Color)	4290359662 (0xFFB9B16E)
YUV	171.7540, -30.4447, 11.6167
Hunter-Lab	65.4862, -9.5452, 26.8303

Details

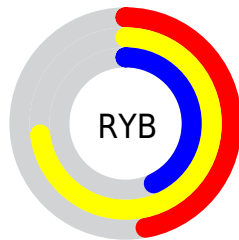
The Yxy color **42.8844, 0.3763, 0.4187** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.7680, 0.2407, 0.2197**, and the grayscale version is **41.2709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7994, 0.3647, 0.4022**, and **19.7500, 0.3911, 0.4444** is the 20% darker color. If you saturate the color by 10%, you get **41.7527, 0.3917, 0.4390**, and if you desaturate by 10%, it is **44.1154, 0.3603, 0.3969**.

Distribution



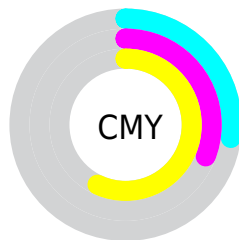
- Red (73%)
- Green (69%)
- Blue (43%)



- Red (47%)
- Yellow (73%)
- Blue (43%)



- Cyan (0%)
- Magenta (4%)
- Yellow (41%)
- Black (27%)





- Cyan (27%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8844, 0.3763, 0.4187 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 42.8844, 0.3763, 0.4187 by changing the saturation by 10% instead.


 42.8844, 0.3763,
0.4187

 42.8844, 0.3763,
0.4187


358.1361, 0.3452,
0.3733

 29.7944, 0.3835,
0.4299


 79.5364, 0.3653,
0.4022

 19.6826, 0.3924,
0.4440


 103.8672, 0.3611,
0.3960

 12.1645, 0.4033,
0.4622


 132.7137, 0.3575,
0.3908

 6.8558, 0.4164,
0.4861

 166.4604, 0.3543,
0.3863

 3.3721, 0.4455,
0.5350

205.4916, 0.3516,
0.3824

 1.3289, 0.4421,
0.5579

250.1916, 0.3492,

 0.1635, 0.0000,

0.3790

1.0000

300.9450, 0.3471,
0.3760

0.0000, 0.0000,
0.0000

42.8844, 0.3763,
0.4187

42.8844, 0.3763,
0.4187

41.7527, 0.3917,
0.4390

44.1154, 0.3603,
0.3969

40.7090, 0.4058,
0.4567

45.4445, 0.3442,
0.3743

39.7495, 0.4179,
0.4711

46.8784, 0.3285,
0.3519

38.8672, 0.4277,
0.4813

48.4212, 0.3135,
0.3301

38.0544, 0.4347,
0.4871

50.0768, 0.2995,
0.3094

■ 37.3341, 0.4393,
0.4894

■ 51.8490, 0.2865,
0.2900

■ 53.7414, 0.2746,
0.2721

■ 55.5633, 0.2655,
0.2585

■ 56.4378, 0.2657,
0.2608

Harmonies

Analogous

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



42.8844, 0.4088, 0.3927



42.8844, 0.3763, 0.4187



42.8844, 0.3282, 0.4195

Triad

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



42.8844, 0.3763, 0.4187



42.8844, 0.2206, 0.2902



42.8844, 0.3429, 0.2784

Complementary

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



42.8844, 0.3763, 0.4187



19.7680, 0.2407, 0.2197

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.



42.8844, 0.2905, 0.2546



42.8844, 0.3763, 0.4187



42.8844, 0.2236, 0.2584

Square

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



42.8844, 0.3763, 0.4187



42.8844, 0.2396, 0.3384



42.8844, 0.2480, 0.2469



42.8844, 0.3899, 0.3137

Rectangle

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



42.8844, 0.3763, 0.4187



42.8844, 0.2942, 0.4022



42.8844, 0.2480, 0.2469



42.8844, 0.3252, 0.2689

Sweetspot

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



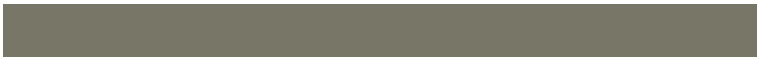
42.8864, 0.3763, 0.4187



83.5329, 0.3310, 0.3556



22.7897, 0.4017, 0.3168



17.9352, 0.3330, 0.3585



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.



42.8864, 0.3763, 0.4187



74.9345, 0.3906, 0.4376



42.9101, 0.3458, 0.4375



10.3357, 0.3266, 0.3492



25.4890, 0.4390, 0.4896



0.9457, 0.4333, 0.4941

Inverse Universe

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



19.7680, 0.2407, 0.2197



27.6851, 0.2219, 0.1898



20.1204, 0.2666, 0.2152



8.8692, 0.2984, 0.3079



2.7721, 0.1524, 0.0686



0.1489, 0.1607, 0.0986

Previews

White Background



This preview shows how the Yxy color 42.8844, 0.3763, 0.4187 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 42.8844, 0.3763, 0.4187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

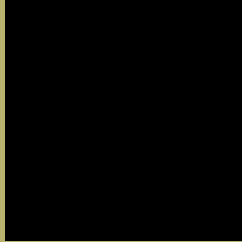
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8844, 0.3763, 0.4187

Background



This preview shows how black text looks on a background with the Yxy color 42.8844, 0.3763, 0.4187.



This preview shows how white text looks on a background with the Yxy color 42.8844, 0.3763, 0.4187.

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

42.8844, 0.3763, 0.4187

Protanopia

42.8404, 0.3840, 0.4157

Deuteranopia

42.6562, 0.4055, 0.3967



Tritanopia

42.7201, 0.3236, 0.3111

Trichromacy



Original Color

42.8844, 0.3763, 0.4187

Protanomaly

42.9736, 0.3815, 0.4175

Deuteranomaly

42.8301, 0.3953, 0.4051

Tritanomaly

42.4733, 0.3434, 0.3489

Monochromacy



Original Color

42.8844, 0.3763, 0.4187

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.7891, 0.3366, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8844, 0.3763, 0.4187 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, 177, 110)` looks like.

```
.text, #text, p{  
    color:rgb(185, 177, 110)  
}
```

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, 177, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 177, 110) }
```

Border

The CSS property to change the border of an element to Yxy 42.8844, 0.3763, 0.4187 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, 177, 110) }
```

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

```
.border{ border-color:rgb(185, 177, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 177, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 177, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 177, 110);  
box-shadow:4px 4px 4px 4px rgb(185, 177,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8844, 0.3763, 0.4187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 177, 110) }
```

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

```
.background{ background-color: rgb(185,  
177, 110) }
```

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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