

Converting Colors

$Y_{xy}(43.0373, 0.3760, 0.4726)$

Have a look what the booklet for
Yxy(43.0373, 0.3760, 0.4726)
contains.

Yxy(42.9380, 0.3768, 0.4725)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9380, 0.3768, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	A6B84E
RGB	166, 184, 78
RGB Percent	65%, 72%, 31%
CMY	0.3490, 0.2784, 0.6940
CMYK	0.10, 0.00, 0.58, 0.28
HSL	70°, 43%, 51%
HSV	70°, 58%, 72%
XYZ	34.2414, 42.9380, 13.6947
YIQ	166.5340, 23.2980, -36.7820

Conversions

Conversions Part 2

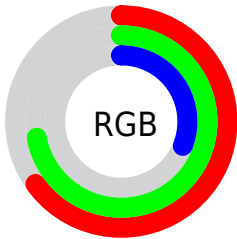
Format	Color
RYB	78, 184, 96
Decimal	10926158
CIELab	71.51, -21.44, 50.68
CIELCh	72, 55.025, 112.928
Yxy	42.9380, 0.3768, 0.4725
Android (android.graphics.Color)	4289116238 (0xFFA6B84E)
YUV	166.5340, -43.6473, -0.4683
Hunter-Lab	65.5271, -21.3968, 33.4778

Details

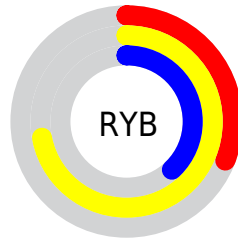
The Yxy color $42.9380, 0.3768, 0.4725$ is a dark color, and the websafe version is hex `CCCC66`. A complement of this color would be $11.4017, 0.2181, 0.1534$, and the grayscale version is $38.6143, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.6468, 0.3676, 0.4457$, and $19.6781, 0.3864, 0.5125$ is the 20% darker color. If you saturate the color by 10%, you get $42.3780, 0.3837, 0.4924$, and if you desaturate by 10%, it is $43.5840, 0.3678, 0.4496$.

Distribution



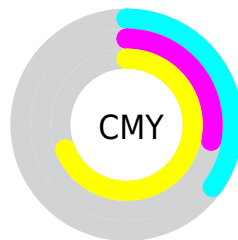
- Red (65%)
- Green (72%)
- Blue (31%)



- Red (31%)
- Yellow (72%)
- Blue (38%)



- Cyan (10%)
- Magenta (0%)
- Yellow (58%)
- Black (28%)





- Cyan (35%)
- Magenta (28%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9380, 0.3768, 0.4725 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 42.9380, 0.3768, 0.4725 by changing the saturation by 10% instead.


 42.9380, 0.3768,
0.4725


 42.9380, 0.3768,
0.4725


358.3567, 0.3484,
0.3991


 29.8365, 0.3820,
0.4903


 79.6173, 0.3677,
0.4460

 19.7145, 0.3871,
0.5124


 103.9638, 0.3639,
0.4359


 12.1877, 0.3913,
0.5400


 132.8275, 0.3605,
0.4274

 6.8716, 0.3968,
0.5816

 166.5927, 0.3575,
0.4201

 3.3819, 0.3828,
0.6172

 205.6439, 0.3549,
0.4138

 1.3342, 0.3403,
0.6597

250.3653, 0.3525,

 0.1675, 0.0000,

0.4083

1.0000

301.1415, 0.3503,
0.4034

■ 0.0000, 0.0000,
0.0000

■ 42.9380, 0.3768,
0.4725

■ 42.9380, 0.3768,
0.4725

■ 42.3780, 0.3837,
0.4924

■ 43.5840, 0.3678,
0.4496

■ 41.8917, 0.3882,
0.5084

■ 44.3157, 0.3573,
0.4246

■ 41.4736, 0.3902,
0.5200

■ 45.1403, 0.3458,
0.3987

■ 41.1126, 0.3898,
0.5273

■ 46.0624, 0.3338,
0.3727

■ 41.0297, 0.3896,
0.5288

■ 47.0864, 0.3217,
0.3474

■ 48.2164, 0.3099,
0.3233

■ 49.4562, 0.2986,
0.3008

■ 50.8095, 0.2879,
0.2799

■ 52.2797, 0.2779,
0.2608

Harmonies

Analogous

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



42.9380, 0.4387, 0.4375



42.9380, 0.3768, 0.4725



42.9380, 0.3018, 0.4602

Triad

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



42.9380, 0.3768, 0.4725



42.9380, 0.1775, 0.2461



42.9380, 0.3887, 0.2726

Complementary

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



42.9380, 0.3768, 0.4725



11.4017, 0.2181, 0.1534

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.



42.9380, 0.3076, 0.2326



42.9380, 0.3768, 0.4725



42.9380, 0.1936, 0.2150

Square

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



42.9380, 0.3768, 0.4725



42.9380, 0.1904, 0.3088



42.9380, 0.2378, 0.2120



42.9380, 0.4512, 0.3252

Rectangle

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



42.9380, 0.3768, 0.4725



42.9380, 0.2544, 0.4200



42.9380, 0.2378, 0.2120



42.9380, 0.3621, 0.2575

Sweetspot

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



42.9399, 0.3768, 0.4725



83.5508, 0.3335, 0.3719



19.0501, 0.4693, 0.3534



17.9369, 0.3359, 0.3771



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.



42.9399, 0.3768, 0.4725



76.5790, 0.3851, 0.4969



38.3675, 0.3294, 0.4981



10.4241, 0.3238, 0.3518



28.3024, 0.3900, 0.5285



1.0184, 0.3980, 0.5222

Inverse Universe

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



11.4017, 0.2181, 0.1534



14.0611, 0.1950, 0.1158



15.2723, 0.2756, 0.1775



8.7909, 0.3010, 0.3056



2.6104, 0.1583, 0.0646



0.1148, 0.1806, 0.0768

Previews

White Background



This preview shows how the Yxy color 42.9380, 0.3768, 0.4725 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 42.9380, 0.3768, 0.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

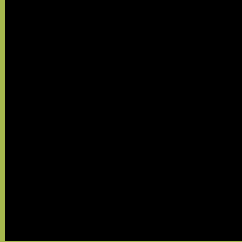
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9380, 0.3768, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 42.9380, 0.3768, 0.4725.



This preview shows how white text looks on a background with the Yxy color 42.9380, 0.3768, 0.4725.

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

42.9380, 0.3768, 0.4725

Protanopia

42.6373, 0.4119, 0.4520

Deuteranopia

42.4959, 0.4347, 0.4245



Tritanopia

42.8973, 0.3065, 0.3118

Trichromacy



Original Color

42.9380, 0.3768, 0.4725

Protanomaly

42.5529, 0.3993, 0.4593

Deuteranomaly

42.4870, 0.4133, 0.4421

Tritanomaly

42.5495, 0.3349, 0.3707

Monochromacy



Original Color

42.9380, 0.3768, 0.4725

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.8519, 0.3394, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9380, 0.3768, 0.4725 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(166, 184, 78)` looks like.

```
.text, #text, p{  
    color:rgb(166, 184, 78)  
}
```

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(166, 184, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 78) }
```

Border

The CSS property to change the border of an element to Yxy 42.9380, 0.3768, 0.4725 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(166, 184, 78) }
```

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

```
.border{ border-color:rgb(166, 184, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 184, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 184, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 184, 78);  
box-shadow:4px 4px 4px 4px rgb(166, 184,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9380, 0.3768, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 78) }
```

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

```
.background{ background-color: rgb(166,  
184, 78) }
```

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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