

Converting Colors

$Y_{xy}(42.2381, 0.3755, 0.4794)$

Have a look what the booklet for
Yxy(42.2381, 0.3755, 0.4794)
contains.

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Color

Yxy(42.4434, 0.3759, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	A2B849
RGB	162, 184, 73
RGB Percent	64%, 72%, 29%
CMY	0.3648, 0.2784, 0.7138
CMYK	0.12, 0.00, 0.60, 0.28
HSL	72°, 44%, 50%
HSV	72°, 60%, 72%
XYZ	33.2385, 42.4434, 12.7419
YIQ	164.7680, 22.5190, -39.1850

Conversions

Conversions Part 2

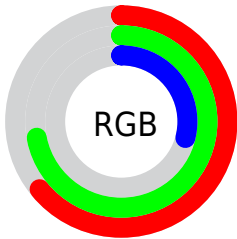
Format	Color
RYB	73, 184, 95
Decimal	10664009
CIELab	71.18, -23.49, 52.48
CIELCh	71, 57.494, 114.115
Yxy	42.4434, 0.3759, 0.4800
Android (android.graphics.Color)	4288854089 (0xFFA2B849)
YUV	164.7680, -45.2416, -2.4275
Hunter-Lab	65.1486, -22.9402, 34.0080

Details

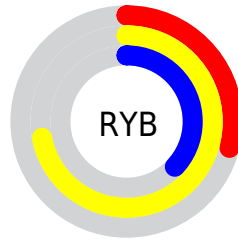
The Yxy color **42.4434, 0.3759, 0.4800** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **10.6600, 0.2159, 0.1460**, and the grayscale version is **37.7208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8866, 0.3673, 0.4518**, and **19.3929, 0.3845, 0.5227** is the 20% darker color. If you saturate the color by 10%, you get **41.8593, 0.3817, 0.4995**, and if you desaturate by 10%, it is **43.1146, 0.3680, 0.4573**.

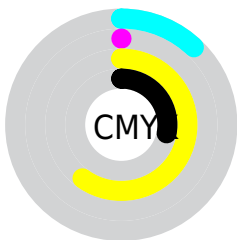
Distribution



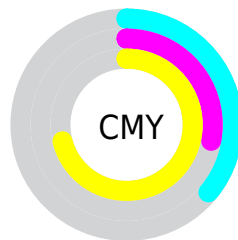
- Red (64%)
- Green (72%)
- Blue (29%)



- Red (29%)
- Yellow (72%)
- Blue (37%)



- Cyan (12%)
- Magenta (0%)
- Yellow (60%)
- Black (28%)




- Cyan (36%)
- Magenta (28%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4434, 0.3759, 0.4800 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 42.4434, 0.3759, 0.4800 by changing the saturation by 10% instead.


 42.4434, 0.3759,
0.4800


 42.4434, 0.3759,
0.4800


356.3177, 0.3484,
0.4026

 29.4486, 0.3806,
0.4988


 78.8703, 0.3673,
0.4520


 19.4205, 0.3850,
0.5221


 103.0711, 0.3637,
0.4414

 11.9745, 0.3877,
0.5509

 131.7762, 0.3604,
0.4324

 6.7263, 0.3936,
0.5985

 165.3698, 0.3574,
0.4247

 3.2915, 0.3714,
0.6286

 204.2364, 0.3548,
0.4180

 1.2858, 0.3191,
0.6809

248.7603, 0.3524,

 0.1301, 0.0000,

0.4122

1.0000

299.3259, 0.3503,
0.4071

■ 0.0000, 0.0000,
0.0000

■ 42.4434, 0.3759,
0.4800

■ 42.4434, 0.3759,
0.4800

■ 41.8593, 0.3817,
0.4995

■ 43.1146, 0.3680,
0.4573

■ 41.3499, 0.3850,
0.5149

■ 43.8732, 0.3584,
0.4323

■ 40.9093, 0.3858,
0.5258

■ 44.7262, 0.3476,
0.4062

■ 40.5334, 0.3846,
0.5328

■ 45.6785, 0.3362,
0.3800

■ 46.7346, 0.3246,
0.3543

■ 47.8986, 0.3131,
0.3298

■ 49.1746, 0.3020,
0.3068

■ 50.5663, 0.2915,
0.2856

■ 52.0771, 0.2817,
0.2661

Harmonies

Analogous

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



42.4434, 0.4417, 0.4435



42.4434, 0.3759, 0.4800



42.4434, 0.2976, 0.4657

Triad

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



42.4434, 0.3759, 0.4800



42.4434, 0.1722, 0.2401



42.4434, 0.3955, 0.2720

Complementary

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



42.4434, 0.3759, 0.4800



10.6600, 0.2159, 0.1460

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.



42.4434, 0.3104, 0.2300



42.4434, 0.3759, 0.4800



42.4434, 0.1900, 0.2096

Square

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



42.4434, 0.3759, 0.4800



42.4434, 0.1841, 0.3041



42.4434, 0.2368, 0.2077



42.4434, 0.4596, 0.3267

Rectangle

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



42.4434, 0.3759, 0.4800



42.4434, 0.2487, 0.4218



42.4434, 0.2368, 0.2077



42.4434, 0.3677, 0.2562

Sweetspot

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



42.4453, 0.3759, 0.4800



83.1656, 0.3338, 0.3747



18.5623, 0.4787, 0.3566



17.8146, 0.3372, 0.3822



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.



42.4453, 0.3759, 0.4800



75.5912, 0.3829, 0.5044



37.9646, 0.3280, 0.5072



10.4109, 0.3234, 0.3518



27.9610, 0.3851, 0.5324



1.0090, 0.3944, 0.5250

Inverse Universe

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



10.6600, 0.2159, 0.1460



13.0904, 0.1930, 0.1093



14.6012, 0.2755, 0.1719



8.8030, 0.3014, 0.3056



2.6746, 0.1606, 0.0658



0.1200, 0.1854, 0.0795

Previews

White Background



This preview shows how the Yxy color 42.4434, 0.3759, 0.4800 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 42.4434, 0.3759, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

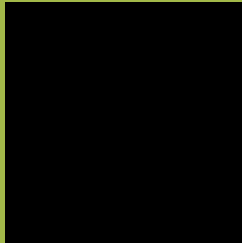
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4434, 0.3759, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 42.4434, 0.3759, 0.4800.



This preview shows how white text looks on a background with the Yxy color 42.4434, 0.3759, 0.4800.

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

42.4434, 0.3759, 0.4800

Protanopia

42.1836, 0.4157, 0.4556

Deuteranopia

41.9074, 0.4382, 0.4285



Tritanopia

42.4310, 0.3030, 0.3116

Trichromacy



Original Color

42.4434, 0.3759, 0.4800

Protanomaly

42.2408, 0.4004, 0.4653

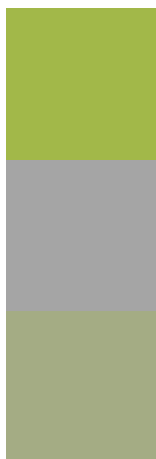
Deuteranomaly

41.7626, 0.4155, 0.4470

Tritanomaly

42.0347, 0.3329, 0.3741

Monochromacy



Original Color

42.4434, 0.3759, 0.4800

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0635, 0.3394, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4434, 0.3759, 0.4800 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(162, 184, 73)` looks like.

```
.text, #text, p{  
    color:rgb(162, 184, 73)  
}
```

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(162, 184, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 184, 73) }
```

Border

The CSS property to change the border of an element to Yxy 42.4434, 0.3759, 0.4800 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(162, 184, 73) }
```

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

```
.border{ border-color:rgb(162, 184, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 184, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 184, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 184, 73);  
box-shadow:4px 4px 4px 4px rgb(162, 184,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4434, 0.3759, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 184, 73) }
```

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

```
.background{ background-color: rgb(162,  
184, 73) }
```

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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