

Converting Colors

$Y_{xy}(42.2462, 0.3720, 0.4930)$

Have a look what the booklet for
Yxy(42.2462, 0.3720, 0.4930)
contains.

Yxy(42.4797, 0.3719, 0.4928)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4797, 0.3719, 0.4928)

Conversions

Conversions Part 1

Format	Color
Hex	9BBA42
RGB	155, 186, 66
RGB Percent	61%, 73%, 26%
CMY	0.3922, 0.2706, 0.7412
CMYK	0.17, 0.00, 0.65, 0.27
HSL	76°, 48%, 49%
HSV	76°, 65%, 73%
XYZ	32.0580, 42.4797, 11.6630
YIQ	163.0510, 20.0440, -43.8920

Conversions

Conversions Part 2

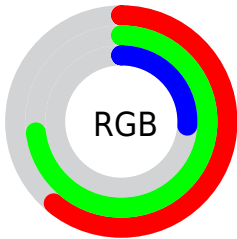
Format	Color
RYB	66, 186, 97
Decimal	10205762
CIELab	71.20, -27.82, 55.36
CIELCh	71, 61.958, 116.678
Yxy	42.4797, 0.3719, 0.4928
Android (android.graphics.Color)	4288395842 (0xFF9BBA42)
YUV	163.0510, -47.8461, -7.0607
Hunter-Lab	65.1765, -26.2608, 35.0139

Details

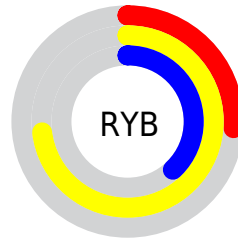
The Yxy color **42.4797, 0.3719, 0.4928** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **9.9838, 0.2148, 0.1362**, and the grayscale version is **36.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8332, 0.3651, 0.4625**, and **19.4844, 0.3772, 0.5387** is the 20% darker color. If you saturate the color by 10%, you get **41.8305, 0.3756, 0.5119**, and if you desaturate by 10%, it is **43.2230, 0.3659, 0.4701**.

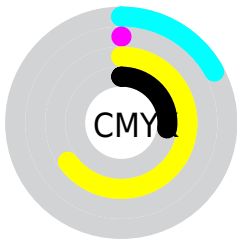
Distribution



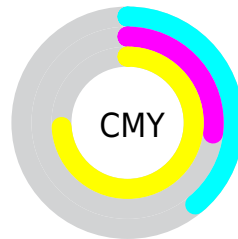
- Red (61%)
- Green (73%)
- Blue (26%)



- Red (26%)
- Yellow (73%)
- Blue (38%)



- Cyan (17%)
- Magenta (0%)
- Yellow (65%)
- Black (27%)




- Cyan (39%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4797, 0.3719, 0.4928 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 42.4797, 0.3719, 0.4928 by changing the saturation by 10% instead.

 42.4797, 0.3719,
0.4928

 42.4797, 0.3719,
0.4928


356.4676, 0.3474,
0.4085

 29.4771, 0.3754,
0.5132


 78.9251, 0.3647,
0.4623

 19.4420, 0.3781,
0.5385


 103.1367, 0.3615,
0.4507


 11.9901, 0.3780,
0.5696


 131.8534, 0.3585,
0.4409

 6.7369, 0.3794,
0.6206

 165.4597, 0.3558,
0.4326

 3.2981, 0.3492,
0.6508

 204.3398, 0.3534,
0.4253

 1.2893, 0.2792,
0.7208

248.8783, 0.3512,

 0.1329, 0.0000,

0.4190

1.0000

299.4594, 0.3492,
0.4134

0.0000, 0.0000,
0.0000

42.4797, 0.3719,
0.4928

42.4797, 0.3719,
0.4928

41.8305, 0.3756,
0.5119

43.2230, 0.3659,
0.4701

41.2623, 0.3768,
0.5267

44.0611, 0.3580,
0.4449

40.7679, 0.3756,
0.5368

45.0017, 0.3487,
0.4184

40.5182, 0.3743,
0.5410

46.0500, 0.3386,
0.3915

47.2110, 0.3280,
0.3651

■ 48.4892, 0.3174,
0.3399

■ 49.8888, 0.3071,
0.3162

■ 51.4138, 0.2972,
0.2944

■ 53.0680, 0.2878,
0.2743

Harmonies

Analogous

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



42.4797, 0.4445, 0.4545



42.4797, 0.3719, 0.4928



42.4797, 0.2883, 0.4732

Triad

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



42.4797, 0.3719, 0.4928



42.4797, 0.1640, 0.2293



42.4797, 0.4091, 0.2725

Complementary

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



42.4797, 0.3719, 0.4928



9.9838, 0.2148, 0.1362

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.



42.4797, 0.3175, 0.2269



42.4797, 0.3719, 0.4928



42.4797, 0.1853, 0.2006

Square

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



42.4797, 0.3719, 0.4928



42.4797, 0.1733, 0.2940



42.4797, 0.2371, 0.2014



42.4797, 0.4745, 0.3306

Rectangle

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



42.4797, 0.3719, 0.4928



42.4797, 0.2374, 0.4220



42.4797, 0.2371, 0.2014



42.4797, 0.3794, 0.2555

Sweetspot

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



42.4816, 0.3719, 0.4928



84.5304, 0.3331, 0.3776



19.1990, 0.4875, 0.3682



18.4833, 0.3361, 0.3853



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.4816, 0.3719, 0.4928



75.4102, 0.3764, 0.5180



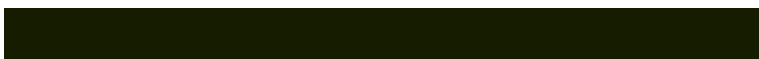
38.0010, 0.3218, 0.5232



10.3834, 0.3225, 0.3519



27.2945, 0.3749, 0.5405



0.9901, 0.3869, 0.5310

Inverse Universe

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



9.9838, 0.2148, 0.1362



12.1658, 0.1920, 0.1008



14.5099, 0.2819, 0.1668



8.8287, 0.3023, 0.3057



2.8403, 0.1665, 0.0691



0.1309, 0.1950, 0.0848

Previews

White Background



This preview shows how the Yxy color 42.4797, 0.3719, 0.4928 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 42.4797, 0.3719, 0.4928 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 42.4797, 0.3719, 0.4928

Background



This preview shows how black text looks on a background with the Yxy color 42.4797, 0.3719, 0.4928.



This preview shows how white text looks on a background with the Yxy color 42.4797, 0.3719, 0.4928.

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

42.4797, 0.3719, 0.4928

Protanopia

42.1003, 0.4198, 0.4617

Deuteranopia

41.9902, 0.4426, 0.4324



Tritanopia

42.3380, 0.2972, 0.3101

Trichromacy



Original Color

42.4797, 0.3719, 0.4928

Protanomaly

41.9143, 0.4024, 0.4728

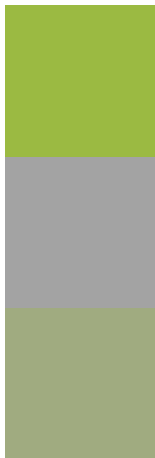
Deuteranomaly

41.7987, 0.4165, 0.4546

Tritanomaly

41.7469, 0.3281, 0.3777

Monochromacy



Original Color

42.4797, 0.3719, 0.4928

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.1579, 0.3392, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4797, 0.3719, 0.4928 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(155, 186, 66)` looks like.

```
.text, #text, p{  
    color:rgb(155, 186, 66)  
}
```

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(155, 186, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 186, 66) }
```

Border

The CSS property to change the border of an element to Yxy 42.4797, 0.3719, 0.4928 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(155, 186, 66) }
```

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

```
.border{ border-color:rgb(155, 186, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 186, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 186, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 186, 66);  
box-shadow:4px 4px 4px 4px rgb(155, 186,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4797, 0.3719, 0.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 186, 66) }
```

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

```
.background{ background-color: rgb(155,  
186, 66) }
```

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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