

Converting Colors

$Yxy(42.2776, 0.4054, 0.4924)$

Have a look what the booklet for
Yxy(42.2776, 0.4054, 0.4924)
contains.

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Color

Yxy(42.4673, 0.4049, 0.4926)

Conversions

Conversions Part 1

Format	Color
Hex	B0B52D
RGB	176, 181, 45
RGB Percent	69%, 71%, 18%
CMY	0.3097, 0.2902, 0.8236
CMYK	0.03, 0.00, 0.75, 0.29
HSL	62°, 60%, 44%
HSV	62°, 75%, 71%
XYZ	34.9066, 42.4673, 8.8366
YIQ	164.0010, 40.6760, -43.3560

Conversions

Conversions Part 2

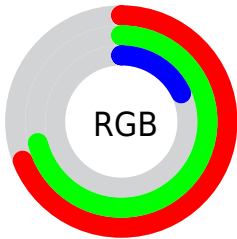
Format	Color
RYB	45, 181, 50
Decimal	11580717
CIELab	71.19, -17.76, 63.74
CIELCh	71, 66.169, 105.573
Yxy	42.4673, 0.4049, 0.4926
Android (android.graphics.Color)	4289770797 (0xFFB0B52D)
YUV	164.0010, -58.6675, 10.5231
Hunter-Lab	65.1669, -18.4287, 37.5772

Details

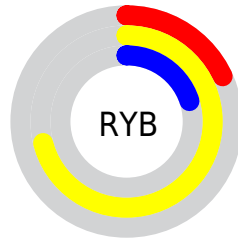
The Yxy color **42.4673, 0.4049, 0.4926** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.8873, 0.1743, 0.0969**, and the grayscale version is **37.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1899, 0.3927, 0.4646**, and **19.4314, 0.4088, 0.5136** is the 20% darker color. If you saturate the color by 10%, you get **42.2817, 0.4098, 0.5025**, and if you desaturate by 10%, it is **42.7170, 0.3974, 0.4784**.

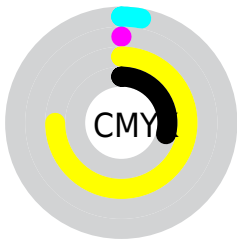
Distribution



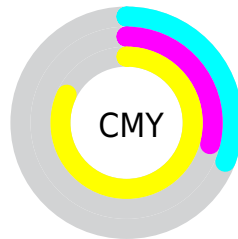
- Red (69%)
- Green (71%)
- Blue (18%)



- Red (18%)
- Yellow (71%)
- Blue (20%)



- Cyan (3%)
- Magenta (0%)
- Yellow (75%)
- Black (29%)





- Cyan (31%)
- Magenta (29%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4673, 0.4049, 0.4926 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 42.4673, 0.4049, 0.4926 by changing the saturation by 10% instead.


 42.4673, 0.4049,
0.4926


 42.4673, 0.4049,
0.4926


356.4164, 0.3652,
0.4123

 29.4674, 0.4113,
0.5101


 78.9064, 0.3928,
0.4649

 19.4347, 0.4170,
0.5305


 103.1143, 0.3875,
0.4539


 11.9848, 0.4215,
0.5550


 131.8270, 0.3827,
0.4445

 6.7333, 0.4195,
0.5805

 165.4290, 0.3785,
0.4363

 3.2959, 0.4006,
0.5994

 204.3045, 0.3746,
0.4292

 1.2881, 0.3661,
0.6339

 248.8380, 0.3711,

 0.1320, 0.0000,

0.4229

1.0000

299.4138, 0.3680,
0.4173

■ 0.0000, 0.0000,
0.0000

■ 42.4673, 0.4049,
0.4926

■ 42.4673, 0.4049,
0.4926

■ 42.2817, 0.4098,
0.5025

■ 42.7170, 0.3974,
0.4784

■ 42.1459, 0.4123,
0.5083

■ 43.0316, 0.3876,
0.4604

■ 42.0897, 0.4130,
0.5103

■ 43.4190, 0.3758,
0.4392

■ 43.8844, 0.3626,
0.4158

■ 44.4326, 0.3485,
0.3911

■ 45.0680, 0.3341,
0.3660

■ 45.7946, 0.3199,
0.3414

■ 46.6162, 0.3061,
0.3177

■ 47.5365, 0.2930,
0.2953

Harmonies

Analogous

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



42.4673, 0.4728, 0.4373



42.4673, 0.4049, 0.4926



42.4673, 0.3182, 0.5011

Triad

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



42.4673, 0.4049, 0.4926



42.4673, 0.1558, 0.2431



42.4673, 0.3799, 0.2492

Complementary

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



42.4673, 0.4049, 0.4926



5.8873, 0.1743, 0.0969

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.



42.4673, 0.2829, 0.2086



42.4673, 0.4049, 0.4926



42.4673, 0.1665, 0.2004

Square

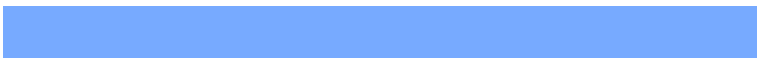
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.4673, 0.4049, 0.4926



42.4673, 0.1775, 0.3261



42.4673, 0.2085, 0.1910



42.4673, 0.4654, 0.3061

Rectangle

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



42.4673, 0.4049, 0.4926



42.4673, 0.2607, 0.4633



42.4673, 0.2085, 0.1910



42.4673, 0.3467, 0.2335

Sweetspot

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



42.4693, 0.4049, 0.4926



79.7708, 0.3460, 0.3867



12.2519, 0.5633, 0.3342



17.1598, 0.3511, 0.3956



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.4693, 0.4049, 0.4926



75.5647, 0.4117, 0.5066



36.4521, 0.3418, 0.5362



9.8905, 0.3258, 0.3515



29.0238, 0.4131, 0.5102



0.9181, 0.4149, 0.5087

Inverse Universe

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



5.8873, 0.1743, 0.0969



6.9002, 0.1559, 0.0680



9.0287, 0.2374, 0.1284



8.2445, 0.2990, 0.3055



2.3360, 0.1514, 0.0608



0.0784, 0.1573, 0.0640

Previews

White Background



This preview shows how the Yxy color 42.4673, 0.4049, 0.4926 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 42.4673, 0.4049, 0.4926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

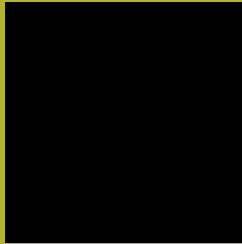
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4673, 0.4049, 0.4926

Background



This preview shows how black text looks on a background with the Yxy color 42.4673, 0.4049, 0.4926.



This preview shows how white text looks on a background with the Yxy color 42.4673, 0.4049, 0.4926.

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

42.4673, 0.4049, 0.4926

Protanopia

42.5701, 0.4302, 0.4753

Deuteranopia

42.0636, 0.4566, 0.4468



Tritanopia

42.4447, 0.3190, 0.3121

Trichromacy



Original Color

42.4673, 0.4049, 0.4926

Protanomaly

42.4449, 0.4212, 0.4811

Deuteranomaly

42.0441, 0.4381, 0.4635

Tritanomaly

41.7434, 0.3584, 0.3849

Monochromacy



Original Color

42.4673, 0.4049, 0.4926

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.4548, 0.3533, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4673, 0.4049, 0.4926 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(176, 181, 45)` looks like.

```
.text, #text, p{  
    color:rgb(176, 181, 45)  
}
```

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(176, 181, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 181, 45) }
```

Border

The CSS property to change the border of an element to Yxy 42.4673, 0.4049, 0.4926 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(176, 181, 45) }
```

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

```
.border{ border-color:rgb(176, 181, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 181, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 181, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 181, 45);  
box-shadow:4px 4px 4px 4px rgb(176, 181,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4673, 0.4049, 0.4926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 181, 45) }
```

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

```
.background{ background-color: rgb(176,  
181, 45) }
```

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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