

Converting Colors

$Yxy(42.4703, 0.4260, 0.4823)$

Have a look what the booklet for
Yxy(42.4703, 0.4260, 0.4823)
contains.

Yxy(42.2670, 0.4262, 0.4822)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2670, 0.4262, 0.4822)

Conversions

Conversions Part 1

Format	Color
Hex	BFB026
RGB	191, 176, 38
RGB Percent	75%, 69%, 15%
CMY	0.2511, 0.3098, 0.8507
CMYK	0.00, 0.08, 0.80, 0.25
HSL	54°, 67%, 45%
HSV	54°, 80%, 75%
XYZ	37.3583, 42.2670, 8.0292
YIQ	164.7530, 53.2380, -39.7380

Conversions

Conversions Part 2

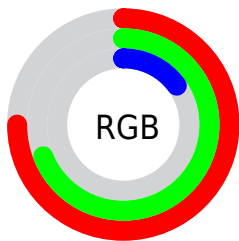
Format	Color
RYB	55, 191, 38
Decimal	12562470
CIELab	71.05, -8.98, 66.23
CIELCh	71, 66.831, 97.720
Yxy	42.2670, 0.4262, 0.4822
Android (android.graphics.Color)	4290752550 (0xFFBFB026)
YUV	164.7530, -62.4892, 23.0186
Hunter-Lab	65.0131, -11.2017, 38.1868

Details

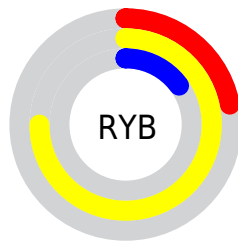
The Yxy color **42.2670, 0.4262, 0.4822** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.7248, 0.1684, 0.0986**, and the grayscale version is **37.7923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5056, 0.4110, 0.4578**, and **19.4018, 0.4313, 0.4957** is the 20% darker color. If you saturate the color by 10%, you get **41.4473, 0.4331, 0.4883**, and if you desaturate by 10%, it is **43.1641, 0.4166, 0.4717**.

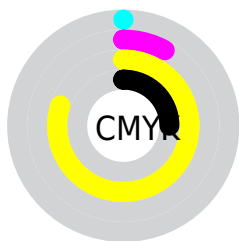
Distribution



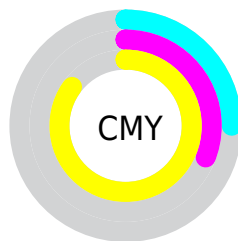
- Red (75%)
- Green (69%)
- Blue (15%)



- Red (22%)
- Yellow (75%)
- Blue (15%)



- Cyan (0%)
- Magenta (8%)
- Yellow (80%)
- Black (25%)




- Cyan (25%)
- Magenta (31%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2670, 0.4262, 0.4822 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 42.2670, 0.4262, 0.4822 by changing the saturation by 10% instead.


 42.2670, 0.4262,
0.4822


 42.2670, 0.4262,
0.4822

 355.5886, 0.3759,
0.4098

 29.3104, 0.4349,
0.4968


 78.6036, 0.4105,
0.4581


 19.3158, 0.4435,
0.5130


 102.7523, 0.4037,
0.4483


 11.8987, 0.4529,
0.5328


 131.4006, 0.3977,
0.4397

 6.6747, 0.4535,
0.5465

 164.9328, 0.3923,
0.4322

 3.2595, 0.4441,
0.5559

 203.7333, 0.3876,
0.4256

 1.2687, 0.4277,
0.5723

 248.1865, 0.3833,

 0.1168, 0.0000,

0.4197

1.0000

298.6768, 0.3794,
0.4145

■ 0.0000, 0.0000,
0.0000

■ 42.2670, 0.4262,
0.4822

■ 42.2670, 0.4262,
0.4822

■ 41.4473, 0.4331,
0.4883

■ 43.1641, 0.4166,
0.4717

■ 40.6865, 0.4376,
0.4907

■ 44.1410, 0.4046,
0.4572

■ 45.2071, 0.3906,
0.4392

■ 46.3686, 0.3754,
0.4186

■ 47.6313, 0.3594,
0.3965

■ 49.0005, 0.3434,
0.3738

■ 50.4809, 0.3278,
0.3511

■ 52.0771, 0.3128,
0.3291

■ 53.7933, 0.2988,
0.3082

Harmonies

Analogous

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



42.2670, 0.4863, 0.4206



42.2670, 0.4262, 0.4822



42.2670, 0.3416, 0.5080

Triad

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



42.2670, 0.4262, 0.4822



42.2670, 0.1567, 0.2600



42.2670, 0.3542, 0.2358

Complementary

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



42.2670, 0.4262, 0.4822



6.7248, 0.1684, 0.0986

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.



42.2670, 0.2599, 0.2005



42.2670, 0.4262, 0.4822



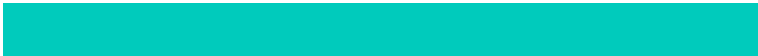
42.2670, 0.1594, 0.2068

Square

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



42.2670, 0.4262, 0.4822



42.2670, 0.1878, 0.3537



42.2670, 0.1933, 0.1894



42.2670, 0.4483, 0.2896

Rectangle

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



42.2670, 0.4262, 0.4822



42.2670, 0.2821, 0.4843



42.2670, 0.1933, 0.1894



42.2670, 0.3208, 0.2216

Sweetspot

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



42.2690, 0.4262, 0.4822



86.6978, 0.3503, 0.3836



12.7254, 0.5676, 0.3164



18.8455, 0.3561, 0.3918



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.2690, 0.4262, 0.4822



73.2261, 0.4365, 0.4901



42.1248, 0.3575, 0.5348



10.9565, 0.3267, 0.3495



26.8108, 0.4374, 0.4909



1.0970, 0.4325, 0.4948

Inverse Universe

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



6.7248, 0.1684, 0.0986



7.8965, 0.1532, 0.0691



7.8180, 0.2090, 0.1070



9.3716, 0.2984, 0.3076



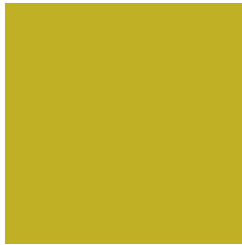
2.8274, 0.1521, 0.0677



0.1619, 0.1595, 0.0940

Previews

White Background



This preview shows how the Yxy color 42.2670, 0.4262, 0.4822 looks on a white background.

Color Contrast Check

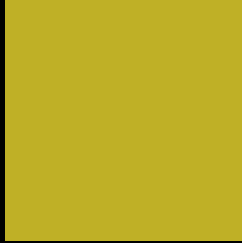
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 42.2670, 0.4262, 0.4822 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 42.2670, 0.4262, 0.4822

Background



This preview shows how black text looks on a background with the Yxy color 42.2670, 0.4262, 0.4822.



This preview shows how white text looks on a background with the Yxy color 42.2670, 0.4262, 0.4822.

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

42.2670, 0.4262, 0.4822

Protanopia

42.1478, 0.4329, 0.4770

Deuteranopia

42.1522, 0.4611, 0.4507



Tritanopia

42.1428, 0.3361, 0.3127

Trichromacy



Original Color

42.2670, 0.4262, 0.4822

Protanomaly

42.2692, 0.4301, 0.4793

Deuteranomaly

42.0984, 0.4487, 0.4618

Tritanomaly

41.3819, 0.3786, 0.3840

Monochromacy



Original Color

42.2670, 0.4262, 0.4822

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.7065, 0.3614, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2670, 0.4262, 0.4822 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(191, 176, 38)` looks like.

```
.text, #text, p{  
    color:rgb(191, 176, 38)  
}
```

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(191, 176, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 176, 38) }
```

Border

The CSS property to change the border of an element to Yxy 42.2670, 0.4262, 0.4822 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(191, 176, 38) }
```

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

```
.border{ border-color:rgb(191, 176, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 176, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 176, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 176, 38);  
box-shadow:4px 4px 4px 4px rgb(191, 176,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2670, 0.4262, 0.4822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 176, 38) }
```

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

```
.background{ background-color: rgb(191,  
176, 38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor