

Converting Colors

$Y_{xy}(42.2173, 0.4138, 0.4673)$

Have a look what the booklet for
Yxy(42.2173, 0.4138, 0.4673)
contains.

Yxy(42.2173, 0.4138, 0.4673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2173, 0.4138, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	BDB03E
RGB	189, 176, 62
RGB Percent	74%, 69%, 24%
CMY	0.2588, 0.3098, 0.7567
CMYK	0.00, 0.07, 0.67, 0.26
HSL	54°, 51%, 49%
HSV	54°, 67%, 74%
XYZ	37.3839, 42.2173, 10.7418
YIQ	166.8910, 44.3420, -32.6980

Conversions

Conversions Part 2

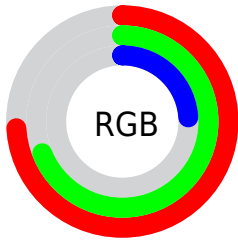
Format	Color
RYB	76, 189, 62
Decimal	12431422
CIELab	71.02, -8.75, 57.62
CIELCh	71, 58.282, 98.632
Yxy	42.2173, 0.4138, 0.4673
Android (android.graphics.Color)	4290621502 (0xFFBDB03E)
YUV	166.8910, -51.7113, 19.3896
Hunter-Lab	64.9748, -11.0041, 35.6804

Details

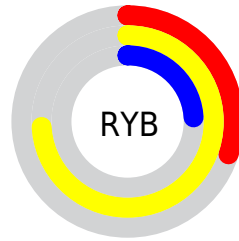
The Yxy color **42.2173, 0.4138, 0.4673** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7397, 0.1883, 0.1339**, and the grayscale version is **38.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3461, 0.3991, 0.4442**, and **19.3208, 0.4300, 0.4968** is the 20% darker color. If you saturate the color by 10%, you get **41.2924, 0.4243, 0.4790**, and if you desaturate by 10%, it is **43.2292, 0.4010, 0.4517**.

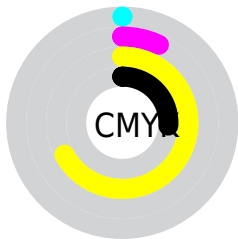
Distribution



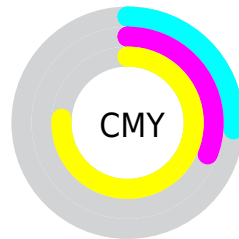
- Red (74%)
- Green (69%)
- Blue (24%)



- Red (30%)
- Yellow (74%)
- Blue (24%)



- Cyan (0%)
- Magenta (7%)
- Yellow (67%)
- Black (26%)





- Cyan (26%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2173, 0.4138, 0.4673 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 42.2173, 0.4138, 0.4673 by changing the saturation by 10% instead.

 42.2173, 0.4138,
0.4673

 42.2173, 0.4138,
0.4673

355.3829, 0.3674,
0.4001

 29.2715, 0.4228,
0.4820


 78.5284, 0.3986,
0.4441


 19.2863, 0.4325,
0.4990


 102.6625, 0.3923,
0.4350


 11.8773, 0.4418,
0.5182


 131.2947, 0.3868,
0.4271

 6.6602, 0.4543,
0.5457

 164.8096, 0.3820,
0.4203

 3.2505, 0.4452,
0.5548

 203.5915, 0.3777,
0.4143

 1.2639, 0.4292,
0.5708

248.0247, 0.3738,

 0.1130, 0.0000,

0.4090

1.0000

298.4937, 0.3704,
0.4043

■ 0.0000, 0.0000,
0.0000

■ 42.2173, 0.4138,
0.4673

■ 42.2173, 0.4138,
0.4673

■ 41.2924, 0.4243,
0.4790

■ 43.2292, 0.4010,
0.4517

■ 40.4406, 0.4321,
0.4863

■ 44.3289, 0.3865,
0.4329

■ 39.6528, 0.4373,
0.4894

■ 45.5243, 0.3709,
0.4119

■ 39.4359, 0.4386,
0.4900

■ 46.8210, 0.3548,
0.3897

■ 48.2239, 0.3389,
0.3670

■ 49.7376, 0.3234,
0.3446

■ 51.3664, 0.3087,
0.3230

■ 53.1145, 0.2949,
0.3026

■ 54.9857, 0.2823,
0.2836

Harmonies

Analogous

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



42.2173, 0.4663, 0.4159



42.2173, 0.4138, 0.4673



42.2173, 0.3384, 0.4836

Triad

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



42.2173, 0.4138, 0.4673



42.2173, 0.1727, 0.2679



42.2173, 0.3524, 0.2472

Complementary

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



42.2173, 0.4138, 0.4673



9.7397, 0.1883, 0.1339

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.



42.2173, 0.2689, 0.2143



42.2173, 0.4138, 0.4673



42.2173, 0.1755, 0.2199

Square

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



42.2173, 0.4138, 0.4673



42.2173, 0.2010, 0.3488



42.2173, 0.2076, 0.2039



42.2173, 0.4332, 0.2969

Rectangle

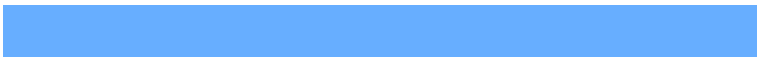
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.2173, 0.4138, 0.4673



42.2173, 0.2854, 0.4602



42.2173, 0.2076, 0.2039



42.2173, 0.3232, 0.2340

Sweetspot

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



42.2193, 0.4138, 0.4673



85.5475, 0.3438, 0.3741



14.8040, 0.5070, 0.3121



18.2443, 0.3483, 0.3805



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.



42.2193, 0.4138, 0.4673



73.1489, 0.4286, 0.4833



42.3528, 0.3588, 0.5075



10.9489, 0.3267, 0.3494



26.5956, 0.4383, 0.4902



1.0905, 0.4332, 0.4942

Inverse Universe

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



9.7397, 0.1883, 0.1339



11.1672, 0.1659, 0.0945



10.4857, 0.2259, 0.1359



9.3785, 0.2984, 0.3077



2.8486, 0.1523, 0.0681



0.1649, 0.1599, 0.0955

Previews

White Background



This preview shows how the Yxy color 42.2173, 0.4138, 0.4673 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 42.2173, 0.4138, 0.4673 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 42.2173, 0.4138, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 42.2173, 0.4138, 0.4673.



This preview shows how white text looks on a background with the Yxy color 42.2173, 0.4138, 0.4673.

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

42.2173, 0.4138, 0.4673

Protanopia

42.0892, 0.4203, 0.4625

Deuteranopia

42.0553, 0.4480, 0.4376



Tritanopia

42.2667, 0.3331, 0.3126

Trichromacy



Original Color

42.2173, 0.4138, 0.4673

Protanomaly

42.2142, 0.4175, 0.4646

Deuteranomaly

42.0230, 0.4355, 0.4477

Tritanomaly

41.7556, 0.3670, 0.3726

Monochromacy



Original Color

42.2173, 0.4138, 0.4673

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.4484, 0.3533, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2173, 0.4138, 0.4673 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(189, 176, 62)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 62)  
}
```

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(189, 176, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 62) }
```

Border

The CSS property to change the border of an element to Yxy 42.2173, 0.4138, 0.4673 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(189, 176, 62) }
```

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

```
.border{ border-color:rgb(189, 176, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 62);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2173, 0.4138, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 62) }
```

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

```
.background{ background-color: rgb(189,  
176, 62) }
```

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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