

Converting Colors

$Y_{xy}(42.9889, 0.4123, 0.4744)$

Have a look what the booklet for
Yxy(42.9889, 0.4123, 0.4744)
contains.

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Color

Yxy(43.1105, 0.4115, 0.4746)

Conversions

Conversions Part 1

Format	Color
Hex	BBB33A
RGB	187, 179, 58
RGB Percent	73%, 70%, 23%
CMY	0.2666, 0.2980, 0.7728
CMYK	0.00, 0.04, 0.69, 0.27
HSL	56°, 53%, 48%
HSV	56°, 69%, 73%
XYZ	37.3788, 43.1105, 10.3462
YIQ	167.5980, 43.6090, -35.9350

Conversions

Conversions Part 2

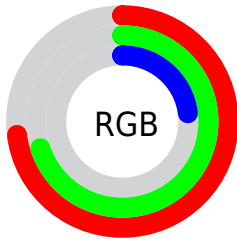
Format	Color
RYB	67, 187, 58
Decimal	12301114
CIELab	71.63, -11.39, 59.82
CIELCh	72, 60.896, 100.781
Yxy	43.1105, 0.4115, 0.4746
Android (android.graphics.Color)	4290491194 (0xFFBBB33A)
YUV	167.5980, -54.0318, 17.0156
Hunter-Lab	65.6586, -13.2842, 36.6184

Details

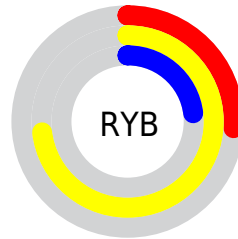
The Yxy color **43.1105, 0.4115, 0.4746** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.3777, 0.1834, 0.1214**, and the grayscale version is **39.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1793, 0.3971, 0.4507**, and **19.9246, 0.4233, 0.5021** is the 20% darker color. If you saturate the color by 10%, you get **42.4923, 0.4203, 0.4859**, and if you desaturate by 10%, it is **43.8058, 0.4003, 0.4593**.

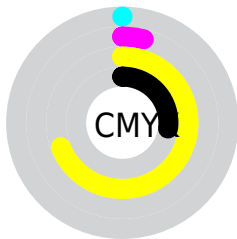
Distribution



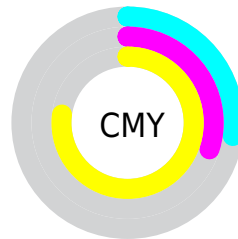
- Red (73%)
- Green (70%)
- Blue (23%)



- Red (26%)
- Yellow (73%)
- Blue (23%)



- Cyan (0%)
- Magenta (4%)
- Yellow (69%)
- Black (27%)





- Cyan (27%)
- Magenta (30%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.1105, 0.4115, 0.4746 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 43.1105, 0.4115, 0.4746 by changing the saturation by 10% instead.


 43.1105, 0.4115,
0.4746


 43.1105, 0.4115,
0.4746


359.0660, 0.3670,
0.4039


 29.9718, 0.4198,
0.4900


 79.8776, 0.3972,
0.4503


 19.8172, 0.4283,
0.5079


 104.2748, 0.3912,
0.4406


 12.2622, 0.4360,
0.5280


 133.1936, 0.3859,
0.4323

 6.9225, 0.4447,
0.5553

 167.0185, 0.3812,
0.4251

 3.4137, 0.4331,
0.5669

 206.1337, 0.3771,
0.4188

 1.3513, 0.4128,
0.5872

250.9238, 0.3733,

 0.1804, 0.0000,

0.4132

1.0000

301.7731, 0.3700,
0.4083

■ 0.0000, 0.0000,
0.0000

■ 43.1105, 0.4115,
0.4746

■ 43.1105, 0.4115,
0.4746

■ 42.4923, 0.4203,
0.4859

■ 43.8058, 0.4003,
0.4593

■ 41.9372, 0.4264,
0.4928

■ 44.5787, 0.3871,
0.4405

■ 41.4331, 0.4303,
0.4960

■ 45.4374, 0.3724,
0.4192

■ 41.3845, 0.4306,
0.4963

■ 46.3871, 0.3570,
0.3964

■ 47.4327, 0.3414,
0.3729

■ 48.5787, 0.3261,
0.3495

■ 49.8295, 0.3113,
0.3268

■ 51.1889, 0.2974,
0.3052

■ 52.6608, 0.2845,
0.2850

Harmonies

Analogous

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



43.1105, 0.4686, 0.4222



43.1105, 0.4115, 0.4746



43.1105, 0.3327, 0.4888

Triad

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



43.1105, 0.4115, 0.4746



43.1105, 0.1676, 0.2605



43.1105, 0.3602, 0.2478

Complementary

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



43.1105, 0.4115, 0.4746



8.3777, 0.1834, 0.1214

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.



43.1105, 0.2728, 0.2126



43.1105, 0.4115, 0.4746



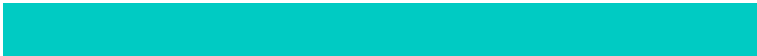
43.1105, 0.1727, 0.2140

Square

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



43.1105, 0.4115, 0.4746



43.1105, 0.1940, 0.3424



43.1105, 0.2078, 0.2000



43.1105, 0.4426, 0.2996

Rectangle

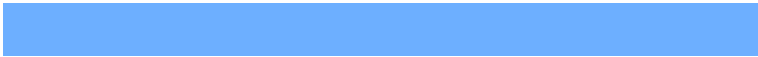
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.1105, 0.4115, 0.4746



43.1105, 0.2782, 0.4614



43.1105, 0.2078, 0.2000



43.1105, 0.3299, 0.2338

Sweetspot

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



43.1125, 0.4115, 0.4746



84.4867, 0.3450, 0.3784



13.9870, 0.5262, 0.3199



18.4897, 0.3494, 0.3849



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.



43.1125, 0.4115, 0.4746



75.5479, 0.4239, 0.4901



40.6835, 0.3534, 0.5152



11.0163, 0.3266, 0.3503



28.5489, 0.4305, 0.4964



1.1493, 0.4275, 0.4987

Inverse Universe

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



8.3777, 0.1834, 0.1214



9.5082, 0.1620, 0.0842



10.1780, 0.2301, 0.1345



9.3179, 0.2984, 0.3068



2.6851, 0.1513, 0.0646



0.1381, 0.1561, 0.0821

Previews

White Background



This preview shows how the Yxy color 43.1105, 0.4115, 0.4746 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 43.1105, 0.4115, 0.4746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

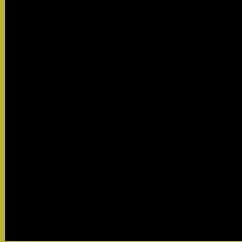
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.1105, 0.4115, 0.4746

Background



This preview shows how black text looks on a background with the Yxy color 43.1105, 0.4115, 0.4746.



This preview shows how white text looks on a background with the Yxy color 43.1105, 0.4115, 0.4746.

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

43.1105, 0.4115, 0.4746

Protanopia

43.0818, 0.4231, 0.4671

Deuteranopia

43.0453, 0.4503, 0.4415



Tritanopia

42.8030, 0.3292, 0.3125

Trichromacy



Original Color

43.1105, 0.4115, 0.4746

Protanomaly

43.0771, 0.4194, 0.4698

Deuteranomaly

42.7281, 0.4360, 0.4528

Tritanomaly

42.2408, 0.3644, 0.3754

Monochromacy



Original Color

43.1105, 0.4115, 0.4746

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.1775, 0.3535, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1105, 0.4115, 0.4746 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(187, 179, 58)` looks like.

```
.text, #text, p{  
    color:rgb(187, 179, 58)  
}
```

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(187, 179, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 179, 58) }
```

Border

The CSS property to change the border of an element to Yxy 43.1105, 0.4115, 0.4746 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(187, 179, 58) }
```

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

```
.border{ border-color:rgb(187, 179, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 179, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 179, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 179, 58);  
box-shadow:4px 4px 4px 4px rgb(187, 179,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1105, 0.4115, 0.4746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 179, 58) }
```

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

```
.background{ background-color: rgb(187,  
179, 58) }
```

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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