

Converting Colors

$Y_{xy}(42.7113, 0.3678, 0.4135)$

Have a look what the booklet for
Yxy(42.7113, 0.3678, 0.4135)
contains.

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Color

Yxy(42.9024, 0.3680, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	B5B273
RGB	181, 178, 115
RGB Percent	71%, 70%, 45%
CMY	0.2900, 0.3020, 0.5490
CMYK	0.00, 0.02, 0.36, 0.29
HSL	57°, 31%, 58%
HSV	57°, 36%, 71%
XYZ	38.0803, 42.9024, 22.4963
YIQ	171.7150, 22.0110, -18.9570

Conversions

Conversions Part 2

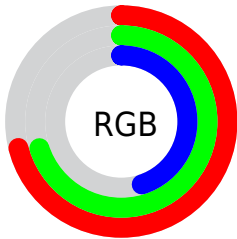
Format	Color
RYB	118, 181, 115
Decimal	11907699
CIELab	71.49, -8.50, 32.61
CIELCh	71, 33.698, 104.618
Yxy	42.9024, 0.3680, 0.4146
Android (android.graphics.Color)	4290097779 (0xFFB5B273)
YUV	171.7150, -27.9605, 8.1429
Hunter-Lab	65.4999, -10.8487, 25.4864

Details

The Yxy color **42.9024, 0.3680, 0.4146** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.9580, 0.2481, 0.2260**, and the grayscale version is **41.2436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8499, 0.3583, 0.3987**, and **19.8271, 0.3813, 0.4396** is the 20% darker color. If you saturate the color by 10%, you get **42.1946, 0.3825, 0.4366**, and if you desaturate by 10%, it is **43.6980, 0.3527, 0.3913**.

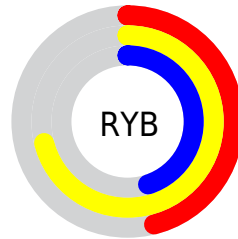
Distribution



Red (71%)

Green (70%)

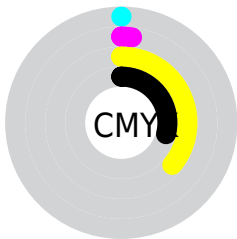
Blue (45%)



Red (46%)

Yellow (71%)

Blue (45%)

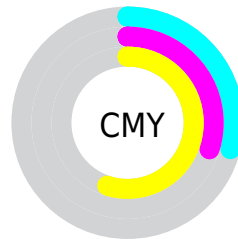


Cyan (0%)

Magenta (2%)

Yellow (36%)

Black (29%)



Cyan (29%)


Magenta (30%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9024, 0.3680, 0.4146 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 42.9024, 0.3680, 0.4146 by changing the saturation by 10% instead.


 42.9024, 0.3680,
0.4146


 42.9024, 0.3680,
0.4146


358.2102, 0.3410,
0.3710


 29.8085, 0.3743,
0.4255


 79.5636, 0.3584,
0.3987

 19.6933, 0.3821,
0.4395


 103.8996, 0.3548,
0.3927

 12.1723, 0.3917,
0.4577


 132.7519, 0.3516,
0.3877

 6.8611, 0.4035,
0.4821

166.5048, 0.3489,
0.3833

 3.3754, 0.4253,
0.5263

205.5427, 0.3465,
0.3796

 1.3307, 0.4319,
0.5681

250.2500, 0.3444,

 0.1648, 0.0000,

0.3764

1.0000

301.0110, 0.3426,
0.3735

0.0000, 0.0000,
0.0000

42.9024, 0.3680,
0.4146

42.9024, 0.3680,
0.4146

42.1946, 0.3825,
0.4366

43.6980, 0.3527,
0.3913

41.5639, 0.3958,
0.4562

44.5801, 0.3373,
0.3674

41.0070, 0.4072,
0.4727

45.5545, 0.3222,
0.3439


40.5178, 0.4162,
0.4852


46.6253, 0.3077,
0.3211

40.0895, 0.4226,
0.4935

47.7959, 0.2940,
0.2995

 39.7126, 0.4265,
0.4976

 49.0699, 0.2814,
0.2794

 39.5853, 0.4276,
0.4987

 50.4506, 0.2697,
0.2608

 51.6245, 0.2619,
0.2485

 51.9760, 0.2620,
0.2495

Harmonies

Analogous

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



42.9024, 0.4006, 0.3928



42.9024, 0.3680, 0.4146



42.9024, 0.3220, 0.4115

Triad

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



42.9024, 0.3680, 0.4146



42.9024, 0.2251, 0.2885



42.9024, 0.3468, 0.2847

Complementary

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



42.9024, 0.3680, 0.4146



19.9580, 0.2481, 0.2260

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.



42.9024, 0.2974, 0.2607



42.9024, 0.3680, 0.4146



42.9024, 0.2304, 0.2605

Square

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



42.9024, 0.3680, 0.4146



42.9024, 0.2409, 0.3324



42.9024, 0.2557, 0.2516



42.9024, 0.3890, 0.3191

Rectangle

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



42.9024, 0.3680, 0.4146



42.9024, 0.2903, 0.3932



42.9024, 0.2557, 0.2516



42.9024, 0.3303, 0.2753

Sweetspot

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



42.9043, 0.3680, 0.4146



80.6939, 0.3293, 0.3549



23.4094, 0.3948, 0.3244



17.3910, 0.3313, 0.3580



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.



42.9043, 0.3680, 0.4146



75.7331, 0.3801, 0.4329



40.9178, 0.3388, 0.4272



10.4300, 0.3265, 0.3506



28.3090, 0.4275, 0.4987



1.0200, 0.4252, 0.5006

Inverse Universe

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



19.9580, 0.2481, 0.2260



28.4845, 0.2309, 0.1982



21.5974, 0.2770, 0.2292



8.7845, 0.2984, 0.3065



2.5417, 0.1510, 0.0635



0.1123, 0.1549, 0.0776

Previews

White Background



This preview shows how the Yxy color 42.9024, 0.3680, 0.4146 looks on a white background.

Color Contrast Check

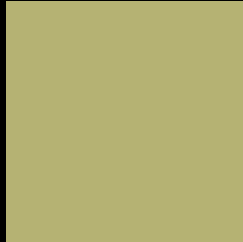
Large Text (above 18pt) WCAG AA × Fail

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 42.9024, 0.3680, 0.4146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

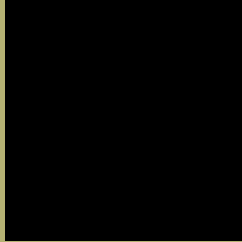
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9024, 0.3680, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 42.9024, 0.3680, 0.4146.



This preview shows how white text looks on a background with the Yxy color 42.9024, 0.3680, 0.4146.

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

42.9024, 0.3680, 0.4146

Protanopia

42.8220, 0.3789, 0.4097

Deuteranopia

42.6234, 0.4001, 0.3911



Tritanopia

42.9872, 0.3189, 0.3122

Trichromacy



Original Color

42.9024, 0.3680, 0.4146

Protanomaly

42.8304, 0.3755, 0.4118

Deuteranomaly

42.5289, 0.3880, 0.3999

Tritanomaly

42.7949, 0.3374, 0.3491

Monochromacy



Original Color

42.9024, 0.3680, 0.4146

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6204, 0.3330, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9024, 0.3680, 0.4146 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(181, 178, 115)` looks like.

```
.text, #text, p{  
    color:rgb(181, 178, 115)  
}
```

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(181, 178, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 178, 115) }
```

Border

The CSS property to change the border of an element to Yxy 42.9024, 0.3680, 0.4146 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(181, 178, 115) }
```

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

```
.border{ border-color:rgb(181, 178, 115) }
```

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

Here you see how a box with a 4 pixel rgb(181, 178, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 178, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 178, 115);  
box-shadow:4px 4px 4px 4px rgb(181, 178,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9024, 0.3680, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 178, 115) }
```

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

```
.background{ background-color: rgb(181,  
178, 115) }
```

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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