

Converting Colors

$Y_{xy}(41.8150, 0.4174, 0.4680)$

Have a look what the booklet for
Yxy(41.8150, 0.4174, 0.4680)
contains.

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Color

Yxy(41.9229, 0.4172, 0.4682)

Conversions

Conversions Part 1

Format	Color
Hex	BEAF3B
RGB	190, 175, 59
RGB Percent	75%, 69%, 23%
CMY	0.2549, 0.3137, 0.7686
CMYK	0.00, 0.08, 0.69, 0.25
HSL	53°, 53%, 49%
HSV	53°, 69%, 75%
XYZ	37.3563, 41.9229, 10.2614
YIQ	166.2610, 46.1760, -32.8960

Conversions

Conversions Part 2

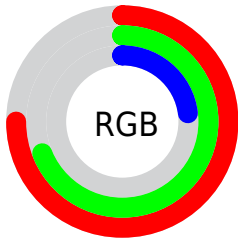
Format	Color
RYB	76, 190, 59
Decimal	12496699
CIELab	70.82, -7.96, 58.67
CIELCh	71, 59.209, 97.730
Yxy	41.9229, 0.4172, 0.4682
Android (android.graphics.Color)	4290686779 (0xFFBEAF3B)
YUV	166.2610, -52.8797, 20.8191
Hunter-Lab	64.7479, -10.3232, 35.9272

Details

The Yxy color **41.9229, 0.4172, 0.4682** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5476, 0.1857, 0.1309**, and the grayscale version is **38.5123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9256, 0.4014, 0.4447**, and **19.1525, 0.4327, 0.4946** is the 20% darker color. If you saturate the color by 10%, you get **40.9218, 0.4276, 0.4790**, and if you desaturate by 10%, it is **43.0134, 0.4044, 0.4534**.

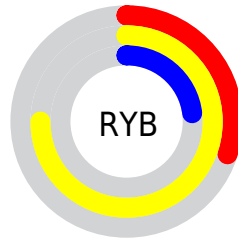
Distribution



Red (75%)

Green (69%)

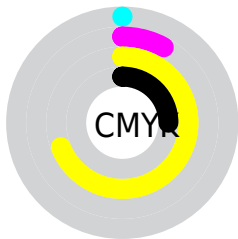
Blue (23%)



Red (30%)

Yellow (75%)

Blue (23%)

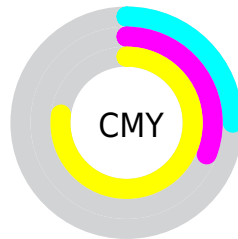


Cyan (0%)

Magenta (8%)

Yellow (69%)

Black (25%)



Cyan (25%)


Magenta (31%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9229, 0.4172, 0.4682 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 41.9229, 0.4172, 0.4682 by changing the saturation by 10% instead.


 41.9229, 0.4172,
0.4682


 41.9229, 0.4172,
0.4682


354.1632, 0.3692,
0.4009

 29.0409, 0.4265,
0.4827


 78.0829, 0.4015,
0.4451


 19.1118, 0.4364,
0.4994


 102.1298, 0.3950,
0.4360

 11.7511, 0.4459,
0.5180


 130.6670, 0.3894,
0.4281

 6.5744, 0.4572,
0.5428

 164.0791, 0.3843,
0.4212

 3.1974, 0.4489,
0.5511

 202.7503, 0.3799,
0.4152

 1.2356, 0.4341,
0.5659

247.0652, 0.3759,

 0.0905, 0.0000,

0.4098

1.0000

297.4080, 0.3724,
0.4051

■ 0.0000, 0.0000,
0.0000

■ 41.9229, 0.4172,
0.4682

■ 41.9229, 0.4172,
0.4682

■ 40.9218, 0.4276,
0.4790

■ 43.0134, 0.4044,
0.4534

■ 39.9958, 0.4353,
0.4854

■ 44.1943, 0.3899,
0.4353

■ 39.1327, 0.4405,
0.4878

■ 45.4739, 0.3742,
0.4148

■ 39.0432, 0.4410,
0.4880

■ 46.8578, 0.3579,
0.3929

■ 48.3511, 0.3418,
0.3705

■ 49.9586, 0.3261,
0.3483

■ 51.6847, 0.3112,
0.3268

■ 53.5337, 0.2973,
0.3064

■ 55.5095, 0.2845,
0.2874

Harmonies

Analogous

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



41.9229, 0.4698, 0.4151



41.9229, 0.4172, 0.4682



41.9229, 0.3410, 0.4870

Triad

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



41.9229, 0.4172, 0.4682



41.9229, 0.1710, 0.2686



41.9229, 0.3503, 0.2446

Complementary

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



41.9229, 0.4172, 0.4682



9.5476, 0.1857, 0.1309

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.



41.9229, 0.2658, 0.2120



41.9229, 0.4172, 0.4682



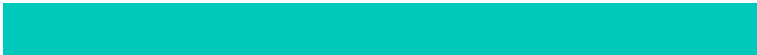
41.9229, 0.1729, 0.2191

Square

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



41.9229, 0.4172, 0.4682



41.9229, 0.2005, 0.3519



41.9229, 0.2046, 0.2021



41.9229, 0.4333, 0.2945

Rectangle

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



41.9229, 0.4172, 0.4682



41.9229, 0.2870, 0.4646



41.9229, 0.2046, 0.2021



41.9229, 0.3207, 0.2315

Sweetspot

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



41.9249, 0.4172, 0.4682



86.9440, 0.3456, 0.3758



14.5754, 0.5149, 0.3121



18.9245, 0.3501, 0.3821



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.



41.9249, 0.4172, 0.4682



73.2269, 0.4321, 0.4830



42.7037, 0.3591, 0.5115



10.9288, 0.3267, 0.3491



26.0324, 0.4407, 0.4883



1.0734, 0.4349, 0.4929

Inverse Universe

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



9.5476, 0.1857, 0.1309



11.0763, 0.1641, 0.0922



10.1124, 0.2231, 0.1312



9.3967, 0.2984, 0.3080



2.9083, 0.1526, 0.0694



0.1729, 0.1609, 0.0994

Previews

White Background



This preview shows how the Yxy color 41.9229, 0.4172, 0.4682 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 41.9229, 0.4172, 0.4682 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 41.9229, 0.4172, 0.4682

Background



This preview shows how black text looks on a background with the Yxy color 41.9229, 0.4172, 0.4682.



This preview shows how white text looks on a background with the Yxy color 41.9229, 0.4172, 0.4682.

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

41.9229, 0.4172, 0.4682

Protanopia

42.0572, 0.4219, 0.4649

Deuteranopia

41.8681, 0.4488, 0.4404



Tritanopia

41.9649, 0.3361, 0.3139

Trichromacy



Original Color

41.9229, 0.4172, 0.4682

Protanomaly

41.9253, 0.4210, 0.4655

Deuteranomaly

41.9891, 0.4372, 0.4501

Tritanomaly

41.4345, 0.3712, 0.3751

Monochromacy



Original Color

41.9229, 0.4172, 0.4682

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0222, 0.3554, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9229, 0.4172, 0.4682 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(190, 175, 59)` looks like.

```
.text, #text, p{  
    color:rgb(190, 175, 59)  
}
```

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(190, 175, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 175, 59) }
```

Border

The CSS property to change the border of an element to Yxy 41.9229, 0.4172, 0.4682 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(190, 175, 59) }
```

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

```
.border{ border-color:rgb(190, 175, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 175, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 175, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 175, 59);  
box-shadow:4px 4px 4px 4px rgb(190, 175,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9229, 0.4172, 0.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 175, 59) }
```

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

```
.background{ background-color: rgb(190,  
175, 59) }
```

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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