

Converting Colors

$Y_{xy}(41.0167, 0.4076, 0.4470)$

Have a look what the booklet for
Yxy(41.0167, 0.4076, 0.4470)
contains.

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Color

Yxy(41.0167, 0.4076, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	BEAC4F
RGB	190, 172, 79
RGB Percent	75%, 67%, 31%
CMY	0.2549, 0.3255, 0.6902
CMYK	0.00, 0.09, 0.58, 0.25
HSL	50°, 46%, 53%
HSV	50°, 58%, 75%
XYZ	37.4014, 41.0167, 13.3419
YIQ	166.7800, 40.5810, -25.1070

Conversions

Conversions Part 2

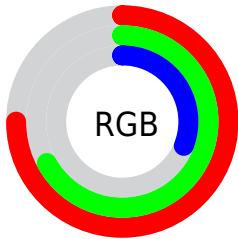
Format	Color
RYB	100, 190, 79
Decimal	12495951
CIELab	70.19, -5.10, 49.26
CIELCh	70, 49.525, 95.911
Yxy	41.0167, 0.4076, 0.4470
Android (android.graphics.Color)	4290686031 (0xFFBEAC4F)
YUV	166.7800, -43.2755, 20.3639
Hunter-Lab	64.0443, -7.8349, 32.4795

Details

The Yxy color **41.0167, 0.4076, 0.4470** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.9316, 0.2067, 0.1715**, and the grayscale version is **38.7322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5333, 0.3918, 0.4267**, and **18.5804, 0.4286, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **39.6204, 0.4219, 0.4615**, and if you desaturate by 10%, it is **42.5232, 0.3917, 0.4294**.

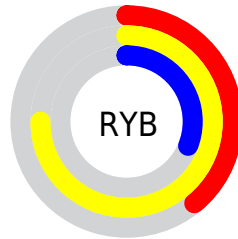
Distribution



Red (75%)

Green (67%)

Blue (31%)



Red (39%)

Yellow (75%)

Blue (31%)

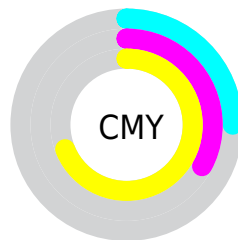


Cyan (0%)

Magenta (9%)

Yellow (58%)

Black (25%)



Cyan (25%)


Magenta (33%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0167, 0.4076, 0.4470 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 41.0167, 0.4076, 0.4470 by changing the saturation by 10% instead.

 41.0167, 0.4076,
0.4470

 41.0167, 0.4076,
0.4470


350.3904, 0.3622,
0.3888


 28.3321, 0.4174,
0.4603


 76.7092, 0.3920,
0.4266

 18.5762, 0.4287,
0.4761


 100.4860, 0.3859,
0.4186


 11.3644, 0.4412,
0.4948


 128.7290, 0.3805,
0.4119

 6.3125, 0.4603,
0.5235

 161.8225, 0.3759,
0.4060

 3.0360, 0.4624,
0.5376

 200.1510, 0.3718,
0.4009

 1.1506, 0.4528,
0.5472

244.0989, 0.3682,

 0.0208, 0.0000,

0.3964

1.0000

294.0506, 0.3650,
0.3924

0.0000, 0.0000,
0.0000

41.0167, 0.4076,
0.4470

41.0167, 0.4076,
0.4470

39.6204, 0.4219,
0.4615

42.5232, 0.3917,
0.4294

38.3213, 0.4340,
0.4719

44.1403, 0.3749,
0.4096

37.1131, 0.4434,
0.4779

45.8758, 0.3579,
0.3886

35.9823, 0.4502,
0.4798

47.7348, 0.3413,
0.3672

35.8082, 0.4512,
0.4799

49.7222, 0.3254,
0.3462

■ 51.8426, 0.3104,
0.3259

■ 54.1002, 0.2966,
0.3067

■ 56.4991, 0.2840,
0.2888

■ 59.0432, 0.2725,
0.2723

Harmonies

Analogous

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



41.0167, 0.4491, 0.4031



41.0167, 0.4076, 0.4470



41.0167, 0.3434, 0.4612

Triad

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



41.0167, 0.4076, 0.4470



41.0167, 0.1908, 0.2829



41.0167, 0.3407, 0.2540

Complementary

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



41.0167, 0.4076, 0.4470



13.9316, 0.2067, 0.1715

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.



41.0167, 0.2694, 0.2262



41.0167, 0.4076, 0.4470



41.0167, 0.1905, 0.2370

Square

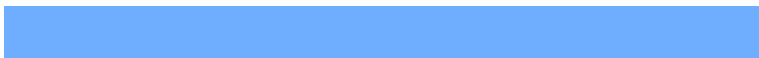
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.0167, 0.4076, 0.4470



41.0167, 0.2196, 0.3540



41.0167, 0.2171, 0.2193



41.0167, 0.4108, 0.2975

Rectangle

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



41.0167, 0.4076, 0.4470



41.0167, 0.2968, 0.4435



41.0167, 0.2171, 0.2193



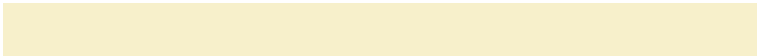
41.0167, 0.3157, 0.2426

Sweetspot

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



41.0186, 0.4076, 0.4470



86.5359, 0.3411, 0.3669



17.4129, 0.4596, 0.3053



18.7790, 0.3459, 0.3732



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.



41.0186, 0.4076, 0.4470



71.1323, 0.4255, 0.4647



44.1701, 0.3610, 0.4837



10.8497, 0.3268, 0.3481



23.9036, 0.4507, 0.4803



1.0079, 0.4421, 0.4872

Inverse Universe

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



13.9316, 0.2067, 0.1715



17.7624, 0.1844, 0.1339



13.0231, 0.2338, 0.1578



9.4688, 0.2984, 0.3092



3.1955, 0.1543, 0.0754



0.2046, 0.1650, 0.1141

Previews

White Background



This preview shows how the Yxy color 41.0167, 0.4076, 0.4470 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 41.0167, 0.4076, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

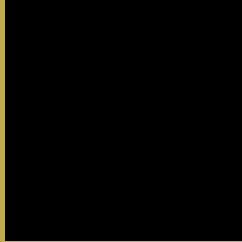
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0167, 0.4076, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 41.0167, 0.4076, 0.4470.



This preview shows how white text looks on a background with the Yxy color 41.0167, 0.4076, 0.4470.

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

41.0167, 0.4076, 0.4470

Protanopia

41.0167, 0.4076, 0.4470

Deuteranopia

40.7855, 0.4348, 0.4250



Tritanopia

41.0388, 0.3373, 0.3138

Trichromacy



Original Color

41.0167, 0.4076, 0.4470

Protanomaly

41.0167, 0.4076, 0.4470

Deuteranomaly

40.6890, 0.4253, 0.4328

Tritanomaly

40.8723, 0.3663, 0.3647

Monochromacy



Original Color

41.0167, 0.4076, 0.4470

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2392, 0.3482, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0167, 0.4076, 0.4470 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, 172, 79)` looks like.

```
.text, #text, p{  
    color:rgb(190, 172, 79)  
}
```

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, 172, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 172, 79) }
```

Border

The CSS property to change the border of an element to Yxy 41.0167, 0.4076, 0.4470 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, 172, 79) }
```

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

```
.border{ border-color:rgb(190, 172, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 172, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 172, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 172, 79);  
box-shadow:4px 4px 4px 4px rgb(190, 172,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0167, 0.4076, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 172, 79) }
```

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

```
.background{ background-color: rgb(190,  
172, 79) }
```

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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