

Converting Colors

$Y_{xy}(41.3782, 0.4119, 0.4569)$

Have a look what the booklet for
Yxy(41.3782, 0.4119, 0.4569)
contains.

Yxy(41.2765, 0.4126, 0.4568)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.2765, 0.4126, 0.4568)

Conversions

Conversions Part 1

Format	Color
Hex	BEAD46
RGB	190, 173, 70
RGB Percent	75%, 68%, 27%
CMY	0.2550, 0.3215, 0.7254
CMYK	0.00, 0.09, 0.63, 0.25
HSL	52°, 48%, 51%
HSV	52°, 63%, 75%
XYZ	37.2826, 41.2765, 11.8010
YIQ	166.3410, 43.1950, -28.4290

Conversions

Conversions Part 2

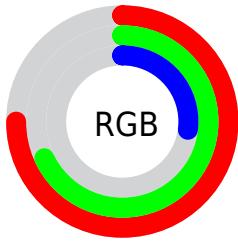
Format	Color
RYB	90, 190, 70
Decimal	12496198
CIELab	70.37, -6.27, 53.56
CIELCh	70, 53.922, 96.679
Yxy	41.2765, 0.4126, 0.4568
Android (android.graphics.Color)	4290686278 (0xFFBEAD46)
YUV	166.3410, -47.4961, 20.7489
Hunter-Lab	64.2468, -8.8479, 34.0822

Details

The Yxy color **41.2765, 0.4126, 0.4568** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.8381, 0.1971, 0.1532**, and the grayscale version is **38.5275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0566, 0.3969, 0.4345**, and **18.7672, 0.4339, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **40.0542, 0.4253, 0.4697**, and if you desaturate by 10%, it is **42.5994, 0.3979, 0.4403**.

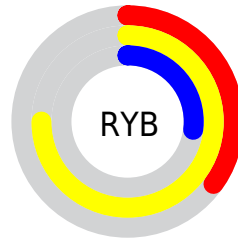
Distribution



Red (75%)

Green (68%)

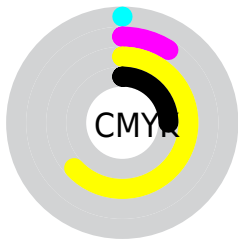
Blue (27%)



Red (35%)

Yellow (75%)

Blue (27%)

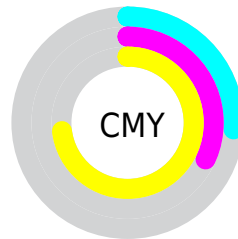


Cyan (0%)

Magenta (9%)

Yellow (63%)

Black (25%)



Cyan (26%)

Magenta (32%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2765, 0.4126, 0.4568 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 41.2765, 0.4126, 0.4568 by changing the saturation by 10% instead.

41.2765, 0.4126,
0.4568

41.2765, 0.4126,
0.4568

351.4749, 0.3656,
0.3943

28.5352, 0.4223,
0.4707

77.1035, 0.3968,
0.4351

18.7295, 0.4331,
0.4870

100.9579, 0.3904,
0.4266

11.4750, 0.4444,
0.5057

129.2855, 0.3849,
0.4193

6.3873, 0.4635,
0.5365

162.4707, 0.3800,
0.4129

3.0820, 0.4568,
0.5432

200.8978, 0.3758,
0.4074

1.1747, 0.4450,
0.5550

244.9513, 0.3720,

0.0409, 0.0000,

0.4025

1.0000

295.0155, 0.3686,
0.3982

■ 0.0000, 0.0000,
0.0000

■ 41.2765, 0.4126,
0.4568

■ 41.2765, 0.4126,
0.4568

■ 40.0542, 0.4253,
0.4697

■ 42.5994, 0.3979,
0.4403

■ 38.9190, 0.4354,
0.4784

■ 44.0236, 0.3820,
0.4211

■ 37.8638, 0.4428,
0.4825

■ 45.5569, 0.3654,
0.4002

■ 37.1742, 0.4467,
0.4835

■ 47.2048, 0.3488,
0.3784

■ 48.9721, 0.3327,
0.3567

■ 50.8636, 0.3173,
0.3355

■ 52.8836, 0.3030,
0.3152

■ 55.0361, 0.2898,
0.2963

■ 57.3251, 0.2777,
0.2786

Harmonies

Analogous

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



41.2765, 0.4591, 0.4086



41.2765, 0.4126, 0.4568



41.2765, 0.3428, 0.4731

Triad

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



41.2765, 0.4126, 0.4568



41.2765, 0.1815, 0.2766



41.2765, 0.3448, 0.2494

Complementary

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



41.2765, 0.4126, 0.4568



11.8381, 0.1971, 0.1532

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.



41.2765, 0.2674, 0.2194



41.2765, 0.4126, 0.4568



41.2765, 0.1821, 0.2287

Square

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



41.2765, 0.4126, 0.4568



41.2765, 0.2109, 0.3535



41.2765, 0.2110, 0.2111



41.2765, 0.4209, 0.2959

Rectangle

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



41.2765, 0.4126, 0.4568



41.2765, 0.2927, 0.4535



41.2765, 0.2110, 0.2111



41.2765, 0.3177, 0.2372

Sweetspot

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



41.2784, 0.4126, 0.4568



86.7567, 0.3426, 0.3701



16.0345, 0.4823, 0.3070



18.8508, 0.3473, 0.3764



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.



41.2784, 0.4126, 0.4568



71.7348, 0.4298, 0.4738



43.5598, 0.3613, 0.4960



10.8840, 0.3268, 0.3485



24.8097, 0.4463, 0.4838



1.0359, 0.4389, 0.4897

Inverse Universe

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



11.8381, 0.1971, 0.1532



14.3289, 0.1743, 0.1135



11.5470, 0.2280, 0.1449



9.4374, 0.2984, 0.3087



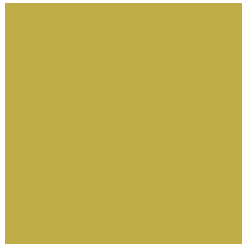
3.0604, 0.1535, 0.0726



0.1909, 0.1633, 0.1078

Previews

White Background



This preview shows how the Yxy color 41.2765, 0.4126, 0.4568 looks on a white background.

Color Contrast Check

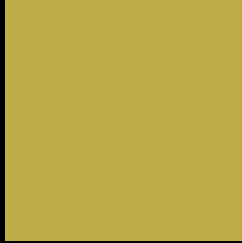
Large Text (above 18pt) WCAG AA × Fail

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 41.2765, 0.4126, 0.4568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

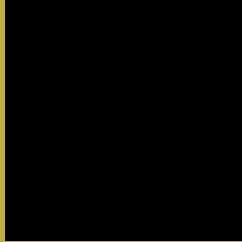
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2765, 0.4126, 0.4568

Background



This preview shows how black text looks on a background with the Yxy color 41.2765, 0.4126, 0.4568.



This preview shows how white text looks on a background with the Yxy color 41.2765, 0.4126, 0.4568.

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

41.2765, 0.4126, 0.4568

Protanopia

41.1537, 0.4154, 0.4547

Deuteranopia

41.3281, 0.4416, 0.4323



Tritanopia

41.0779, 0.3363, 0.3125

Trichromacy



Original Color

41.2765, 0.4126, 0.4568

Protanomaly

41.0236, 0.4144, 0.4553

Deuteranomaly

41.0844, 0.4310, 0.4408

Tritanomaly

40.8143, 0.3682, 0.3673

Monochromacy



Original Color

41.2765, 0.4126, 0.4568

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1286, 0.3518, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2765, 0.4126, 0.4568 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, 173, 70)` looks like.

```
.text, #text, p{  
    color:rgb(190, 173, 70)  
}
```

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, 173, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 173, 70) }
```

Border

The CSS property to change the border of an element to Yxy 41.2765, 0.4126, 0.4568 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, 173, 70) }
```

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

```
.border{ border-color:rgb(190, 173, 70) }
```

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

Here you see how a box with a 4 pixel rgb(190, 173, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 173, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 173, 70);  
box-shadow:4px 4px 4px 4px rgb(190, 173,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2765, 0.4126, 0.4568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 173, 70) }
```

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

```
.background{ background-color: rgb(190,  
173, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor