

Converting Colors

$Y_{xy}(41.7901, 0.3731, 0.4046)$

Have a look what the booklet for
Yxy(41.7901, 0.3731, 0.4046)
contains.

Yxy(41.6106, 0.3734, 0.4046)	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(41.6106, 0.3734, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	BAAD75
RGB	186, 173, 117
RGB Percent	73%, 68%, 46%
CMY	0.2706, 0.3215, 0.5412
CMYK	0.00, 0.07, 0.37, 0.27
HSL	49°, 33%, 59%
HSV	49°, 37%, 73%
XYZ	38.4019, 41.6106, 22.8313
YIQ	170.5030, 25.7240, -14.6600

Conversions

Conversions Part 2

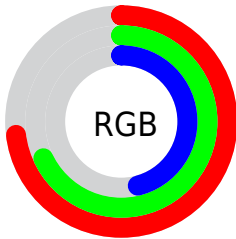
Format	Color
RYB	133, 186, 117
Decimal	12234101
CIELab	70.60, -3.65, 30.49
CIElCh	71, 30.711, 96.819
Yxy	41.6106, 0.3734, 0.4046
Android (android.graphics.Color)	4290424181 (0xFFBAAD75)
YUV	170.5030, -26.3770, 13.5909
Hunter-Lab	64.5063, -6.6214, 24.1693

Details

The Yxy color $41.6106, 0.3734, 0.4046$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $23.2818, 0.2489, 0.2397$, and the grayscale version is $40.5873, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.4438, 0.3624, 0.3900$, and $18.9976, 0.3899, 0.4258$ is the 20% darker color. If you saturate the color by 10%, you get $39.8930, 0.3907, 0.4241$, and if you desaturate by 10%, it is $43.4541, 0.3561, 0.3841$.

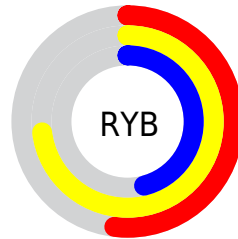
Distribution



Red (73%)

Green (68%)

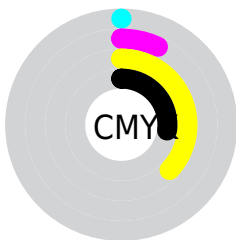
Blue (46%)



Red (52%)

Yellow (73%)

Blue (46%)

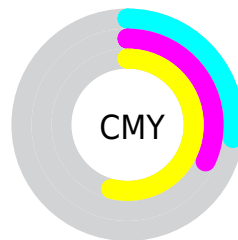


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (27%)



Cyan (27%)


Magenta (32%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6106, 0.3734, 0.4046 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 41.6106, 0.3734, 0.4046 by changing the saturation by 10% instead.


 41.6106, 0.3734,
0.4046


 41.6106, 0.3734,
0.4046


352.8662, 0.3431,
0.3663


 28.7965, 0.3807,
0.4141


 77.6099, 0.3625,
0.3906

 18.9269, 0.3899,
0.4262


 101.5640, 0.3584,
0.3854

 11.6175, 0.4016,
0.4420


 130.0001, 0.3549,
0.3810

 6.4838, 0.4166,
0.4630

163.3028, 0.3519,
0.3772

 3.1414, 0.4435,
0.5005

201.8563, 0.3493,
0.3739

 1.2060, 0.4631,
0.5369

246.0451, 0.3470,

 0.0666, 0.0000,

0.3710

1.0000

296.2536, 0.3449,
0.3685

■ 0.0000, 0.0000,
0.0000

■ 41.6106, 0.3734,
0.4046

■ 41.6106, 0.3734,
0.4046

■ 39.8930, 0.3907,
0.4241

■ 43.4541, 0.3561,
0.3841

■ 38.2902, 0.4075,
0.4417

■ 45.4227, 0.3393,
0.3633

■ 36.7980, 0.4229,
0.4563


■ 47.5231, 0.3234,
0.3430

■ 35.4097, 0.4362,
0.4670


■ 49.7596, 0.3085,
0.3235

■ 34.1175, 0.4469,
0.4733


■ 52.1364, 0.2949,
0.3051


 32.9105, 0.4549,
0.4751

 54.6574, 0.2825,
0.2879

 32.5710, 0.4570,
0.4753

 57.3263, 0.2713,
0.2721

 59.4330, 0.2671,
0.2682

 61.0832, 0.2675,
0.2723

Harmonies

Analogous

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



41.6106, 0.3982, 0.3807



41.6106, 0.3734, 0.4046



41.6106, 0.3332, 0.4079

Triad

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



41.6106, 0.3734, 0.4046



41.6106, 0.2335, 0.3014



41.6106, 0.3324, 0.2810

Complementary

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



41.6106, 0.3734, 0.4046



23.2818, 0.2489, 0.2397

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.



41.6106, 0.2876, 0.2619



41.6106, 0.3734, 0.4046



41.6106, 0.2333, 0.2709

Square

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



41.6106, 0.3734, 0.4046



41.6106, 0.2532, 0.3440



41.6106, 0.2522, 0.2577



41.6106, 0.3743, 0.3111

Rectangle

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



41.6106, 0.3734, 0.4046



41.6106, 0.3035, 0.3955



41.6106, 0.2522, 0.2577



41.6106, 0.3171, 0.2732

Sweetspot

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



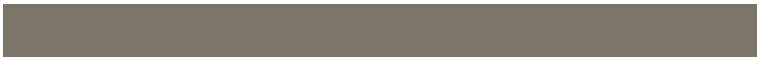
41.6125, 0.3734, 0.4046



84.5642, 0.3297, 0.3512



24.7895, 0.3834, 0.3097



18.5082, 0.3319, 0.3540



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.



41.6125, 0.3734, 0.4046



72.7260, 0.3884, 0.4216



44.4289, 0.3486, 0.4261



10.2083, 0.3268, 0.3474



22.0176, 0.4564, 0.4758



0.8514, 0.4453, 0.4847

Inverse Universe

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



23.2818, 0.2489, 0.2397



34.4597, 0.2321, 0.2145



21.6398, 0.2656, 0.2241



8.9857, 0.2984, 0.3099



3.2769, 0.1554, 0.0795



0.1986, 0.1680, 0.1248

Previews

White Background



This preview shows how the Yxy color 41.6106, 0.3734, 0.4046 looks on a white background.

Color Contrast Check

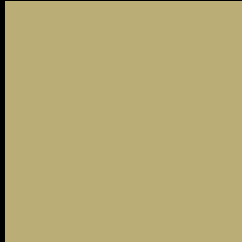
Large Text (above 18pt) WCAG AA × Fail

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 41.6106, 0.3734, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

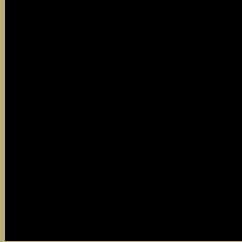
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6106, 0.3734, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 41.6106, 0.3734, 0.4046.



This preview shows how white text looks on a background with the Yxy color 41.6106, 0.3734, 0.4046.

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

41.6106, 0.3734, 0.4046

Protanopia

41.7363, 0.3744, 0.4043

Deuteranopia

41.3640, 0.3954, 0.3873



Tritanopia

41.4621, 0.3275, 0.3123

Trichromacy



Original Color

41.6106, 0.3734, 0.4046

Protanomaly

41.7363, 0.3744, 0.4043

Deuteranomaly

41.4554, 0.3878, 0.3938

Tritanomaly

41.3527, 0.3441, 0.3450

Monochromacy



Original Color

41.6106, 0.3734, 0.4046

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9695, 0.3343, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6106, 0.3734, 0.4046 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(186, 173, 117)` looks like.

```
.text, #text, p{  
    color:rgb(186, 173, 117)  
}
```

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(186, 173, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 173, 117) }
```

Border

The CSS property to change the border of an element to Yxy 41.6106, 0.3734, 0.4046 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(186, 173, 117) }
```

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

```
.border{ border-color:rgb(186, 173, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 173, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 173, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 173, 117);  
box-shadow:4px 4px 4px 4px rgb(186, 173,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6106, 0.3734, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 173, 117) }
```

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

```
.background{ background-color: rgb(186,  
173, 117) }
```

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