

Converting Colors

$Y_{xy}(40.7278, 0.3636, 0.3981)$

Have a look what the booklet for
Yxy(40.7278, 0.3636, 0.3981)
contains.

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Color

Yxy(40.6135, 0.3636, 0.3982)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B4AC7A |
| RGB | 180, 172, 122 |
| RGB Percent | 71%, 67%, 48% |
| CMY | 0.2942, 0.3254, 0.5216 |
| CMYK | 0.00, 0.04, 0.32, 0.29 |
| HSL | 52°, 28%, 59% |
| HSV | 52°, 32%, 71% |
| XYZ | 37.0846, 40.6135, 24.2947 |
| YIQ | 168.6920, 20.8180, -13.8540 |

Conversions

Conversions Part 2

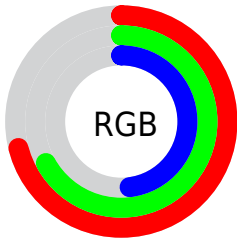
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 131, 180, 122 |
| Decimal | 11840634 |
| CIELab | 69.90, -4.92, 26.81 |
| CIELCh | 70, 27.253, 100.394 |
| Yxy | 40.6135, 0.3636, 0.3982 |
| Android (android.graphics.Color) | 4290030714 (0xFFB4AC7A) |
| YUV | 168.6920, -23.0192, 9.9171 |
| Hunter-Lab | 63.7287, -7.6538, 22.0076 |

Details

The Yxy color **40.6135, 0.3636, 0.3982** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.3885, 0.2578, 0.2487**, and the grayscale version is **39.6238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8662, 0.3540, 0.3847**, and **18.3496, 0.3768, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **39.2764, 0.3801, 0.4193**, and if you desaturate by 10%, it is **42.0544, 0.3471, 0.3764**.

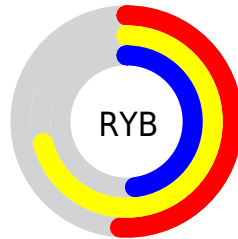
Distribution



Red (71%)

Green (67%)

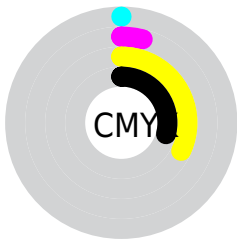
Blue (48%)



Red (51%)

Yellow (71%)

Blue (48%)

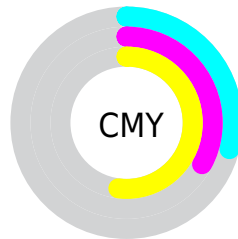


Cyan (0%)

Magenta (4%)

Yellow (32%)

Black (29%)



Cyan (29%)


Magenta (33%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6135, 0.3636, 0.3982 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 40.6135, 0.3636, 0.3982 by changing the saturation by 10% instead.

 40.6135, 0.3636,
0.3982


 40.6135, 0.3636,
0.3982


348.7026, 0.3381,
0.3627


 28.0172, 0.3699,
0.4072


 76.0968, 0.3544,
0.3852

 18.3386, 0.3778,
0.4188


 99.7526, 0.3509,
0.3803

 11.1934, 0.3879,
0.4342


 127.8638, 0.3479,
0.3762

 6.1971, 0.4013,
0.4553

160.8146, 0.3454,
0.3727

 2.9653, 0.4229,
0.4902

198.9895, 0.3432,
0.3697

 1.1136, 0.4537,
0.5463

242.7729, 0.3413,

 0.0000, 0.0000,

0.3671

0.0000

292.5491, 0.3396,
0.3648

■ 40.6135, 0.3636,
0.3982

■ 40.6135, 0.3636,
0.3982

■ 39.2764, 0.3801,
0.4193

■ 42.0544, 0.3471,
0.3764

■ 38.0330, 0.3960,
0.4387

■ 43.5980, 0.3312,
0.3547

■ 36.8800, 0.4106,
0.4555

■ 45.2501, 0.3160,
0.3336

■ 35.8117, 0.4234,
0.4689

■ 47.0145, 0.3018,
0.3134

■ 34.8216, 0.4337,
0.4781

■ 48.8947, 0.2887,
0.2945

■ 33.9020, 0.4413,
0.4829

■ 50.8942, 0.2767,
0.2770

■ 33.2230, 0.4457,
0.4843

■ 53.0162, 0.2659,
0.2609

■ 54.5362, 0.2621,
0.2567

■ 55.6307, 0.2624,
0.2597

Harmonies

Analogous

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



40.6135, 0.3877, 0.3791



40.6135, 0.3636, 0.3982



40.6135, 0.3266, 0.3979

Triad

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



40.6135, 0.3636, 0.3982



40.6135, 0.2404, 0.3007



40.6135, 0.3354, 0.2886

Complementary

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



40.6135, 0.3636, 0.3982



23.3885, 0.2578, 0.2487

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.



40.6135, 0.2949, 0.2698



40.6135, 0.3636, 0.3982



40.6135, 0.2422, 0.2747

Square

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



40.6135, 0.3636, 0.3982



40.6135, 0.2563, 0.3379



40.6135, 0.2614, 0.2644



40.6135, 0.3714, 0.3168

Rectangle

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



40.6135, 0.3636, 0.3982



40.6135, 0.3001, 0.3850



40.6135, 0.2614, 0.2644



40.6135, 0.3217, 0.2810

Sweetspot

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



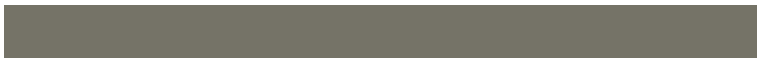
40.6153, 0.3636, 0.3982



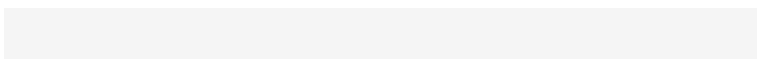
79.6660, 0.3280, 0.3503



25.2494, 0.3743, 0.3165



17.1313, 0.3301, 0.3533



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.



40.6153, 0.3636, 0.3982



71.8338, 0.3759, 0.4140



41.4823, 0.3414, 0.4133



9.7034, 0.3266, 0.3485



23.2649, 0.4454, 0.4846



0.7867, 0.4371, 0.4911

Inverse Universe

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



23.3885, 0.2578, 0.2487



35.4958, 0.2432, 0.2264



22.9889, 0.2761, 0.2405



8.4124, 0.2985, 0.3087



2.8376, 0.1534, 0.0723



0.1485, 0.1643, 0.1114

Previews

White Background



This preview shows how the Yxy color 40.6135, 0.3636, 0.3982 looks on a white background.

Color Contrast Check

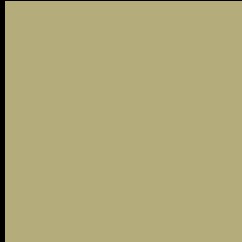
Large Text (above 18pt) WCAG AA × Fail

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 40.6135, 0.3636, 0.3982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

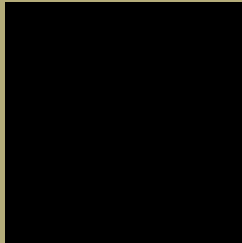
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6135, 0.3636, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 40.6135, 0.3636, 0.3982.



This preview shows how white text looks on a background with the Yxy color 40.6135, 0.3636, 0.3982.

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

40.6135, 0.3636, 0.3982

Protanopia

40.6966, 0.3688, 0.3973

Deuteranopia

40.5627, 0.3873, 0.3807



Tritanopia

40.6894, 0.3219, 0.3120

Trichromacy



Original Color

40.6135, 0.3636, 0.3982

Protanomaly

40.5736, 0.3679, 0.3976

Deuteranomaly

40.5368, 0.3788, 0.3873

Tritanomaly

40.6642, 0.3365, 0.3426

Monochromacy



Original Color

40.6135, 0.3636, 0.3982

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9007, 0.3310, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6135, 0.3636, 0.3982 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(180, 172, 122)` looks like.

```
.text, #text, p{  
    color:rgb(180, 172, 122)  
}
```

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(180, 172, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 172, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.6135, 0.3636, 0.3982 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(180, 172, 122) }
```

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

```
.border{ border-color:rgb(180, 172, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 172, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 172, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 172, 122);  
box-shadow:4px 4px 4px 4px rgb(180, 172,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6135, 0.3636, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 172, 122) }
```

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

```
.background{ background-color: rgb(180,  
172, 122) }
```

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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