

Converting Colors

$Y_{xy}(40.4455, 0.3556, 0.3897)$

Have a look what the booklet for
Yxy(40.4455, 0.3556, 0.3897)
contains.

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Color

Yxy(40.5285, 0.3564, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	B2AC80
RGB	178, 172, 128
RGB Percent	70%, 67%, 50%
CMY	0.3020, 0.3255, 0.4979
CMYK	0.00, 0.03, 0.28, 0.30
HSL	53°, 24%, 60%
HSV	53°, 28%, 70%
XYZ	37.0083, 40.5285, 26.3025
YIQ	168.7780, 17.7000, -12.4120

Conversions

Conversions Part 2

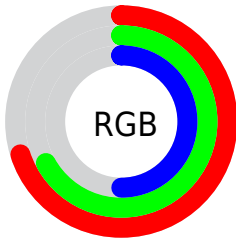
Format	Color
RYB	135, 178, 128
Decimal	11709568
CIELab	69.84, -4.91, 23.45
CIELCh	70, 23.957, 101.823
Yxy	40.5285, 0.3564, 0.3903
Android (android.graphics.Color)	4289899648 (0xFFB2AC80)
YUV	168.7780, -20.1036, 8.0877
Hunter-Lab	63.6620, -7.6419, 20.0672

Details

The Yxy color **40.5285, 0.3564, 0.3903** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.8578, 0.2656, 0.2592**, and the grayscale version is **39.6564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7668, 0.3484, 0.3785**, and **18.3430, 0.3697, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **39.2969, 0.3726, 0.4121**, and if you desaturate by 10%, it is **41.8590, 0.3403, 0.3681**.

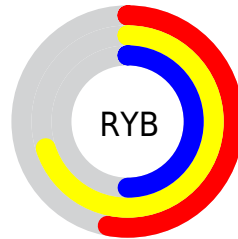
Distribution



Red (70%)

Green (67%)

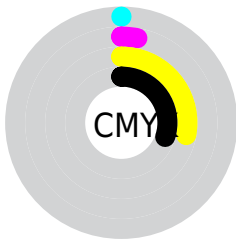
Blue (50%)



Red (53%)

Yellow (70%)

Blue (50%)

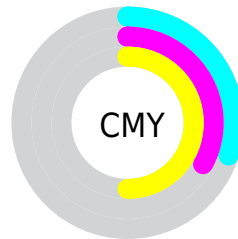


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (30%)



Cyan (30%)


Magenta (33%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5285, 0.3564, 0.3903 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 40.5285, 0.3564, 0.3903 by changing the saturation by 10% instead.


 40.5285, 0.3564,
0.3903


 40.5285, 0.3564,
0.3903


 348.3461, 0.3344,
0.3588


 27.9508, 0.3618,
0.3984


 75.9676, 0.3484,
0.3787

 18.2886, 0.3688,
0.4088


 99.5979, 0.3454,
0.3743

 11.1574, 0.3778,
0.4229


 127.6811, 0.3429,
0.3707

 6.1728, 0.3900,
0.4424

 160.6018, 0.3407,
0.3676

 2.9504, 0.4074,
0.4722

 198.7442, 0.3388,
0.3649

 1.1059, 0.4536,
0.5464

 242.4928, 0.3372,

 0.0000, 0.0000,

0.3626

0.0000

292.2320, 0.3357,
0.3606

■ 40.5285, 0.3564,
0.3903

■ 40.5285, 0.3564,
0.3903

■ 39.2969, 0.3726,
0.4121

■ 41.8590, 0.3403,
0.3681

■ 38.1544, 0.3885,
0.4326

■ 43.2869, 0.3247,
0.3462

■ 37.0981, 0.4033,
0.4509

■ 44.8178, 0.3099,
0.3250

■ 36.1226, 0.4164,
0.4660

■ 46.4555, 0.2962,
0.3050

■ 35.2221, 0.4272,
0.4772

■ 48.2031, 0.2835,
0.2862

■ 34.3897, 0.4353,
0.4840

■ 50.0639, 0.2720,
0.2689

■ 33.6141, 0.4410,
0.4869

■ 52.0410, 0.2615,
0.2531

■ 33.4676, 0.4420,
0.4872

■ 53.1042, 0.2605,
0.2532

■ 54.0284, 0.2607,
0.2558

Harmonies

Analogous

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



40.5285, 0.3781, 0.3747



40.5285, 0.3564, 0.3903



40.5285, 0.3236, 0.3886

Triad

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



40.5285, 0.3564, 0.3903



40.5285, 0.2483, 0.3030



40.5285, 0.3345, 0.2942

Complementary

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



40.5285, 0.3564, 0.3903



24.8578, 0.2656, 0.2592

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.



40.5285, 0.2988, 0.2769



40.5285, 0.3564, 0.3903



40.5285, 0.2507, 0.2804

Square

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



40.5285, 0.3564, 0.3903



40.5285, 0.2619, 0.3354



40.5285, 0.2686, 0.2716



40.5285, 0.3655, 0.3198

Rectangle

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



40.5285, 0.3564, 0.3903



40.5285, 0.3002, 0.3767



40.5285, 0.2686, 0.2716



40.5285, 0.3225, 0.2873

Sweetspot

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



40.5303, 0.3564, 0.3903



78.4903, 0.3248, 0.3463



26.6492, 0.3648, 0.3194



17.3011, 0.3271, 0.3496



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.



40.5303, 0.3564, 0.3903



72.0318, 0.3670, 0.4046



40.8354, 0.3371, 0.4020



9.7295, 0.3266, 0.3489



24.0103, 0.4417, 0.4875



0.8041, 0.4347, 0.4931

Inverse Universe

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



24.8578, 0.2656, 0.2592



38.6693, 0.2530, 0.2400



24.8016, 0.2826, 0.2533



8.3887, 0.2985, 0.3083



2.7431, 0.1529, 0.0702



0.1387, 0.1626, 0.1053

Previews

White Background



This preview shows how the Yxy color 40.5285, 0.3564, 0.3903 looks on a white background.

Color Contrast Check

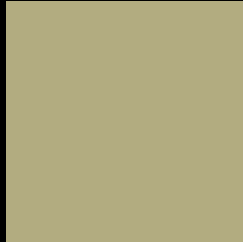
Large Text (above 18pt) WCAG AA × Fail

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 40.5285, 0.3564, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

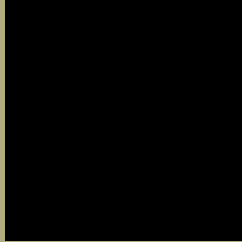
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

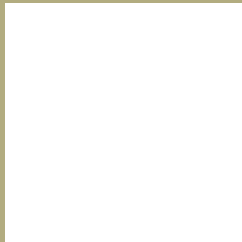
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5285, 0.3564, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 40.5285, 0.3564, 0.3903.



This preview shows how white text looks on a background with the Yxy color 40.5285, 0.3564, 0.3903.

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

40.5285, 0.3564, 0.3903

Protanopia

40.3490, 0.3630, 0.3881

Deuteranopia

40.5801, 0.3806, 0.3732



Tritanopia

40.3150, 0.3191, 0.3118

Trichromacy



Original Color

40.5285, 0.3564, 0.3903

Protanomaly

40.4819, 0.3606, 0.3898

Deuteranomaly

40.5599, 0.3723, 0.3797

Tritanomaly

40.4884, 0.3328, 0.3399

Monochromacy



Original Color

40.5285, 0.3564, 0.3903

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8532, 0.3283, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5285, 0.3564, 0.3903 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(178, 172, 128)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 128)  
}
```

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(178, 172, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 128) }
```

Border

The CSS property to change the border of an element to Yxy 40.5285, 0.3564, 0.3903 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(178, 172, 128) }
```

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

```
.border{ border-color:rgb(178, 172, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 172, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 128);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5285, 0.3564, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 128) }
```

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

```
.background{ background-color: rgb(178,  
172, 128) }
```

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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