

Converting Colors

$Yxy(40.5550, 0.3556, 0.3889)$

Have a look what the booklet for
Yxy(40.5550, 0.3556, 0.3889)
contains.

Yxy(40.5550, 0.3556, 0.3889)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5550, 0.3556, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	B2AC81
RGB	178, 172, 129
RGB Percent	70%, 67%, 51%
CMY	0.3018, 0.3255, 0.4941
CMYK	0.00, 0.03, 0.28, 0.30
HSL	53°, 24%, 60%
HSV	53°, 28%, 70%
XYZ	37.0824, 40.5550, 26.6439
YIQ	168.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

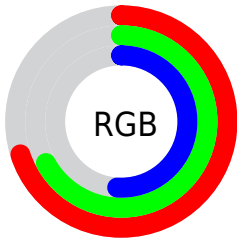
Format	Color
RYB	136, 178, 129
Decimal	11709569
CIELab	69.86, -4.75, 22.94
CIELCh	70, 23.430, 101.686
Yxy	40.5550, 0.3556, 0.3889
Android (android.graphics.Color)	4289899649 (0xFFB2AC81)
YUV	168.8920, -19.6668, 7.9877
Hunter-Lab	63.6828, -7.5045, 19.7720

Details

The Yxy color **40.5550, 0.3556, 0.3889** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.2275, 0.2666, 0.2610**, and the grayscale version is **39.7162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8080, 0.3477, 0.3774**, and **18.3574, 0.3685, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **39.2945, 0.3719, 0.4107**, and if you desaturate by 10%, it is **41.9155, 0.3395, 0.3668**.

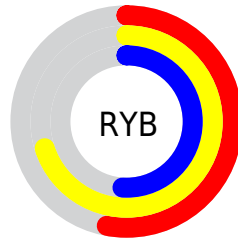
Distribution



Red (70%)

Green (67%)

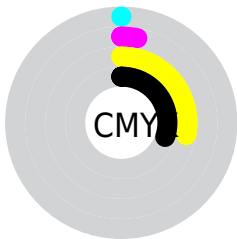
Blue (51%)



Red (53%)

Yellow (70%)

Blue (51%)

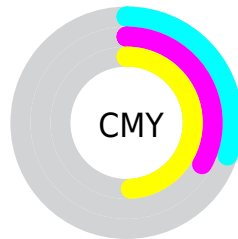


Cyan (0%)

Magenta (3%)

Yellow (28%)

Black (30%)



Cyan (30%)


Magenta (33%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5550, 0.3556, 0.3889 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 40.5550, 0.3556, 0.3889 by changing the saturation by 10% instead.


 40.5550, 0.3556,
0.3889


 40.5550, 0.3556,
0.3889


348.4573, 0.3340,
0.3581

 27.9715, 0.3610,
0.3968


 76.0079, 0.3478,
0.3775

 18.3042, 0.3678,
0.4070


 99.6461, 0.3448,
0.3733

 11.1686, 0.3767,
0.4207


 127.7381, 0.3423,
0.3698

 6.1804, 0.3887,
0.4399

160.6681, 0.3402,
0.3667

 2.9551, 0.4058,
0.4688

198.8207, 0.3383,
0.3641

 1.1083, 0.4548,
0.5452

242.5801, 0.3367,

 0.0000, 0.0000,

0.3619

0.0000

292.3309, 0.3353,
0.3599

■ 40.5550, 0.3556,
0.3889

■ 40.5550, 0.3556,
0.3889

■ 39.2945, 0.3719,
0.4107

■ 41.9155, 0.3395,
0.3668

■ 38.1242, 0.3878,
0.4312

■ 43.3745, 0.3239,
0.3450

■ 37.0411, 0.4028,
0.4496

■ 44.9376, 0.3092,
0.3239

■ 36.0400, 0.4161,
0.4648

■ 46.6085, 0.2955,
0.3040

■ 35.1151, 0.4272,
0.4762

■ 48.3904, 0.2829,
0.2855

■ 34.2594, 0.4356,
0.4832

■ 50.2866, 0.2714,
0.2683

■ 33.4626, 0.4414,
0.4862

■ 52.3002, 0.2610,
0.2526

■ 33.2712, 0.4428,
0.4866

■ 53.3295, 0.2606,
0.2538

■ 54.2856, 0.2609,
0.2565

Harmonies

Analogous

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



40.5550, 0.3767, 0.3736



40.5550, 0.3556, 0.3889



40.5550, 0.3236, 0.3873

Triad

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



40.5550, 0.3556, 0.3889



40.5550, 0.2497, 0.3038



40.5550, 0.3338, 0.2948

Complementary

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



40.5550, 0.3556, 0.3889



25.2275, 0.2666, 0.2610

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.



40.5550, 0.2990, 0.2779



40.5550, 0.3556, 0.3889



40.5550, 0.2519, 0.2815

Square

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



40.5550, 0.3556, 0.3889



40.5550, 0.2631, 0.3354



40.5550, 0.2694, 0.2728



40.5550, 0.3642, 0.3199

Rectangle

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



40.5550, 0.3556, 0.3889



40.5550, 0.3006, 0.3757



40.5550, 0.2694, 0.2728



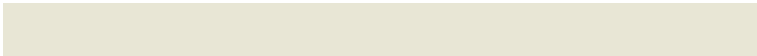
40.5550, 0.3222, 0.2881

Sweetspot

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



40.5568, 0.3556, 0.3889



78.4527, 0.3248, 0.3462



26.9367, 0.3635, 0.3196



17.2912, 0.3271, 0.3495



91.1408, 0.3127, 0.3290



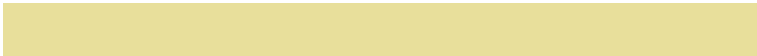
17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.5568, 0.3556, 0.3889



72.1090, 0.3654, 0.4021



40.9227, 0.3367, 0.4005



9.7241, 0.3266, 0.3488



23.8558, 0.4425, 0.4869



0.8005, 0.4352, 0.4927

Inverse Universe

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



25.2275, 0.2666, 0.2610



39.7269, 0.2550, 0.2434



25.1199, 0.2833, 0.2549



8.3936, 0.2985, 0.3084



2.7616, 0.1530, 0.0706



0.1407, 0.1630, 0.1066

Previews

White Background



This preview shows how the Yxy color 40.5550, 0.3556, 0.3889 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 40.5550, 0.3556, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

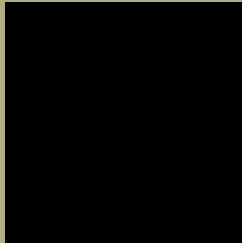
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

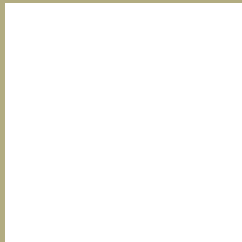
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5550, 0.3556, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 40.5550, 0.3556, 0.3889.



This preview shows how white text looks on a background with the Yxy color 40.5550, 0.3556, 0.3889.

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

40.5550, 0.3556, 0.3889

Protanopia

40.3752, 0.3621, 0.3867

Deuteranopia

40.4690, 0.3787, 0.3720



Tritanopia

40.3150, 0.3191, 0.3118

Trichromacy



Original Color

40.5550, 0.3556, 0.3889

Protanomaly

40.5081, 0.3597, 0.3884

Deuteranomaly

40.4556, 0.3704, 0.3785

Tritanomaly

40.4884, 0.3328, 0.3399

Monochromacy



Original Color

40.5550, 0.3556, 0.3889

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 40.5550, 0.3556, 0.3889 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 129) }
```

Border

The CSS property to change the border of an element to Yxy 40.5550, 0.3556, 0.3889 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, 129) }
```

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

```
.border{ border-color:rgb(178, 172, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 129);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5550, 0.3556, 0.3889 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, 129) }
```

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

```
.background{ background-color: rgb(178,  
172, 129) }
```

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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