

Converting Colors

$Y_{xy}(36.7780, 0.3546, 0.3778)$

Have a look what the booklet for
Yxy(36.7780, 0.3546, 0.3778)
contains.

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Color

Yxy(36.7780, 0.3546, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	AEA381
RGB	174, 163, 129
RGB Percent	68%, 64%, 51%
CMY	0.3175, 0.3608, 0.4941
CMYK	0.00, 0.06, 0.26, 0.32
HSL	45°, 22%, 59%
HSV	45°, 26%, 68%
XYZ	34.5195, 36.7780, 26.0503
YIQ	162.4130, 17.4700, -8.2420

Conversions

Conversions Part 2

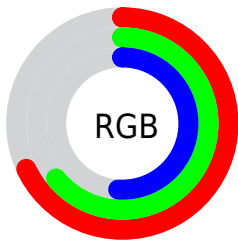
Format	Color
RYB	144, 174, 129
Decimal	11445121
CIELab	67.11, -1.50, 19.13
CIELCh	67, 19.192, 94.478
Yxy	36.7780, 0.3546, 0.3778
Android (android.graphics.Color)	4289635201 (0xFFAEA381)
YUV	162.4130, -16.4726, 10.1618
Hunter-Lab	60.6449, -4.5249, 16.9831

Details

The Yxy color **36.7780, 0.3546, 0.3778** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.4912, 0.2706, 0.2749**, and the grayscale version is **36.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3432, 0.3466, 0.3686**, and **16.0130, 0.3670, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **34.8670, 0.3726, 0.3971**, and if you desaturate by 10%, it is **38.8222, 0.3375, 0.3585**.

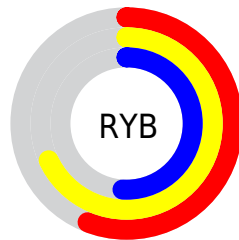
Distribution



Red (68%)

Green (64%)

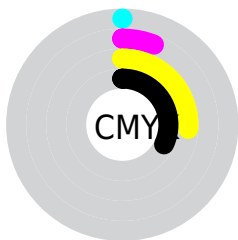
Blue (51%)



Red (56%)

Yellow (68%)

Blue (51%)

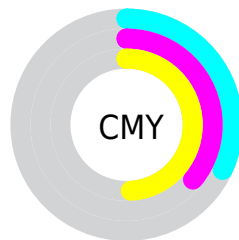


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7780, 0.3546, 0.3778 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 36.7780, 0.3546, 0.3778 by changing the saturation by 10% instead.


 36.7780, 0.3546,
0.3778


 36.7780, 0.3546,
0.3778


332.3484, 0.3330,
0.3524

 25.0357, 0.3602,
0.3844


 70.2312, 0.3466,
0.3684

 16.1036, 0.3674,
0.3930


 92.7109, 0.3436,
0.3649

 9.5975, 0.3772,
0.4047


 119.5384, 0.3411,
0.3620

 5.1329, 0.3908,
0.4213

151.0983, 0.3390,
0.3595

 2.3255, 0.4125,
0.4479

187.7748, 0.3372,
0.3574

 0.7871, 0.4748,
0.5252

229.9524, 0.3356,

 0.0000, 0.0000,

0.3555

0.0000

278.0154, 0.3342,
0.3539

■ 36.7780, 0.3546,
0.3778

■ 36.7780, 0.3546,
0.3778

■ 34.8670, 0.3726,
0.3971

■ 38.8222, 0.3375,
0.3585

■ 33.0797, 0.3911,
0.4157

■ 40.9988, 0.3215,
0.3397

■ 31.4130, 0.4094,
0.4325

■ 43.3134, 0.3068,
0.3217

■ 29.8615, 0.4268,
0.4467

■ 45.7698, 0.2934,
0.3048

■ 28.4193, 0.4426,
0.4573

■ 48.3715, 0.2814,
0.2892

■ 27.0797, 0.4558,
0.4634

■ 51.1220, 0.2705,
0.2747

■ 25.8341, 0.4662,
0.4649

■ 54.0246, 0.2608,
0.2615

■ 25.3394, 0.4702,
0.4649

■ 56.2009, 0.2591,
0.2623

■ 58.1659, 0.2597,
0.2674

Harmonies

Analogous

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



36.7780, 0.3691, 0.3626



36.7780, 0.3546, 0.3778



36.7780, 0.3291, 0.3798

Triad

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



36.7780, 0.3546, 0.3778



36.7780, 0.2605, 0.3139



36.7780, 0.3237, 0.2956

Complementary

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



36.7780, 0.3546, 0.3778



26.4912, 0.2706, 0.2749

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.



36.7780, 0.2945, 0.2833



36.7780, 0.3546, 0.3778



36.7780, 0.2592, 0.2924

Square

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



36.7780, 0.3546, 0.3778



36.7780, 0.2752, 0.3414



36.7780, 0.2712, 0.2818



36.7780, 0.3509, 0.3158

Rectangle

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



36.7780, 0.3546, 0.3778



36.7780, 0.3096, 0.3724



36.7780, 0.2712, 0.2818



36.7780, 0.3137, 0.2904

Sweetspot

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



36.7797, 0.3546, 0.3778



73.4256, 0.3250, 0.3439



26.6050, 0.3532, 0.3125



16.1875, 0.3274, 0.3466



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.7797, 0.3546, 0.3778



64.6954, 0.3647, 0.3888



39.6292, 0.3402, 0.3947



8.9927, 0.3268, 0.3460



18.4695, 0.4695, 0.4654



0.5927, 0.4515, 0.4797

Inverse Universe

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



26.4912, 0.2706, 0.2749



42.8778, 0.2604, 0.2609



24.3575, 0.2801, 0.2589



8.0641, 0.2986, 0.3114



3.5309, 0.1584, 0.0902



0.1837, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 36.7780, 0.3546, 0.3778 looks on a white background.

Color Contrast Check

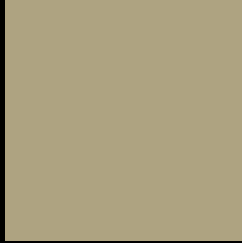
Large Text (above 18pt) WCAG AA × Fail

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 36.7780, 0.3546, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

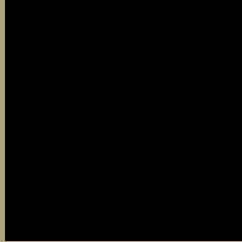
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

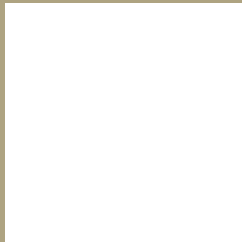
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7780, 0.3546, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 36.7780, 0.3546, 0.3778.



This preview shows how white text looks on a background with the Yxy color 36.7780, 0.3546, 0.3778.

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

36.7780, 0.3546, 0.3778

Protanopia

36.7780, 0.3546, 0.3778

Deuteranopia

36.6728, 0.3724, 0.3659



Tritanopia

36.5999, 0.3223, 0.3112

Trichromacy



Original Color

36.7780, 0.3546, 0.3778

Protanomaly

36.7780, 0.3546, 0.3778

Deuteranomaly

36.5983, 0.3653, 0.3694

Tritanomaly

36.5099, 0.3341, 0.3347

Monochromacy



Original Color

36.7780, 0.3546, 0.3778

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1497, 0.3273, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7780, 0.3546, 0.3778 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(174, 163, 129)` looks like.

```
.text, #text, p{  
    color:rgb(174, 163, 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(174, 163, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 163, 129) }
```

Border

The CSS property to change the border of an element to Yxy 36.7780, 0.3546, 0.3778 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(174, 163, 129) }
```

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

```
.border{ border-color:rgb(174, 163, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 163, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 163, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 163, 129);  
box-shadow:4px 4px 4px 4px rgb(174, 163,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7780, 0.3546, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 163, 129) }
```

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

```
.background{ background-color: rgb(174,  
163, 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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