

Converting Colors

$Yxy(33.5953, 0.3680, 0.3659)$

Have a look what the booklet for
Yxy(33.5953, 0.3680, 0.3659)
contains.

Yxy(33.6661, 0.3678, 0.3662)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6661, 0.3678, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	B4987E
RGB	180, 152, 126
RGB Percent	71%, 60%, 49%
CMY	0.2942, 0.4039, 0.5059
CMYK	0.00, 0.16, 0.30, 0.29
HSL	29°, 26%, 60%
HSV	29°, 30%, 71%
XYZ	33.8132, 33.6661, 24.4543
YIQ	157.4080, 25.0340, -2.1500

Conversions

Conversions Part 2

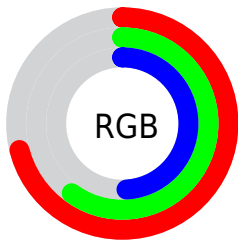
Format	Color
RYB	180, 176, 126
Decimal	11835518
CIELab	64.70, 6.45, 17.56
CIELCh	65, 18.710, 69.820
Yxy	33.6661, 0.3678, 0.3662
Android (android.graphics.Color)	4290025598 (0xFFB4987E)
YUV	157.4080, -15.4841, 19.8132
Hunter-Lab	58.0225, 2.4833, 15.6272

Details

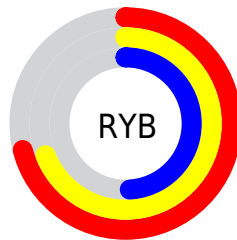
The Yxy color **33.6661, 0.3678, 0.3662** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **30.8315, 0.2657, 0.2886**, and the grayscale version is **33.9730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2302, 0.3563, 0.3587**, and **14.2788, 0.3853, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **30.3346, 0.3911, 0.3790**, and if you desaturate by 10%, it is **37.3224, 0.3470, 0.3533**.

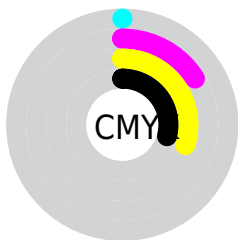
Distribution



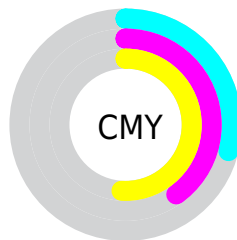
- Red (71%)
- Green (60%)
- Blue (49%)



- Red (71%)
- Yellow (69%)
- Blue (49%)



- Cyan (0%)
- Magenta (16%)
- Yellow (30%)
- Black (29%)



- Cyan (29%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6661, 0.3678, 0.3662 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 33.6661, 0.3678, 0.3662 by changing the saturation by 10% instead.


 33.6661, 0.3678,
0.3662


 33.6661, 0.3678,
0.3662


318.6406, 0.3387,
0.3471

 22.6372, 0.3756,
0.3711


 65.4141, 0.3568,
0.3592

 14.3259, 0.3859,
0.3773


 86.9020, 0.3528,
0.3566

 8.3476, 0.4000,
0.3857


 112.6450, 0.3495,
0.3544

 4.3182, 0.4207,
0.3971

143.0275, 0.3467,
0.3525

 1.8531, 0.4588,
0.4184

178.4339, 0.3442,
0.3509

 0.5199, 0.5562,
0.4438

219.2487, 0.3421,

 0.0000, 0.0000,

0.3494

0.0000

265.8561, 0.3403,
0.3482

■ 33.6661, 0.3678,
0.3662

■ 33.6661, 0.3678,
0.3662

■ 30.3346, 0.3911,
0.3790

■ 37.3224, 0.3470,
0.3533

■ 27.3132, 0.4168,
0.3912

■ 41.3081, 0.3287,
0.3408

■ 24.5931, 0.4442,
0.4016

■ 45.6339, 0.3127,
0.3290

■ 22.1628, 0.4723,
0.4092

■ 50.3083, 0.2988,
0.3180

■ 20.0100, 0.4996,
0.4126

■ 55.3395, 0.2867,
0.3078

■ 18.1212, 0.5243,
0.4110

■ 60.7356, 0.2762,
0.2984

■ 16.4743, 0.5457,
0.4049

■ 66.5041, 0.2670,
0.2898

■ 16.4731, 0.5457,
0.4049

■ 71.6494, 0.2666,
0.2974

■ 76.8783, 0.2678,
0.3079

Harmonies

Analogous

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



33.6661, 0.3695, 0.3443



33.6661, 0.3678, 0.3662



33.6661, 0.3508, 0.3795

Triad

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



33.6661, 0.3678, 0.3662



33.6661, 0.2715, 0.3364



33.6661, 0.2994, 0.2845

Complementary

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



33.6661, 0.3678, 0.3662



30.8315, 0.2657, 0.2886

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.



33.6661, 0.2745, 0.2810



33.6661, 0.3678, 0.3662



33.6661, 0.2591, 0.3094

Square

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



33.6661, 0.3678, 0.3662



33.6661, 0.2950, 0.3626



33.6661, 0.2602, 0.2895



33.6661, 0.3290, 0.2986

Rectangle

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



33.6661, 0.3678, 0.3662



33.6661, 0.3336, 0.3807



33.6661, 0.2602, 0.2895



33.6661, 0.2902, 0.2821

Sweetspot

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



33.6677, 0.3678, 0.3662



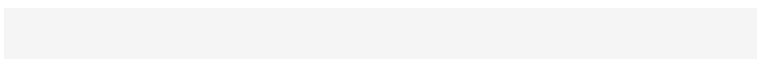
75.5517, 0.3273, 0.3398



26.9823, 0.3438, 0.2883



16.0952, 0.3297, 0.3416



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.



33.6677, 0.3678, 0.3662



56.9927, 0.3830, 0.3748



43.1207, 0.3579, 0.4004



9.1584, 0.3275, 0.3400



11.6332, 0.5438, 0.4064



0.4831, 0.5004, 0.4409

Inverse Universe

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



30.8315, 0.2657, 0.2886



51.0136, 0.2551, 0.2780



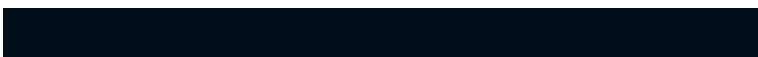
23.1163, 0.2610, 0.2459



8.9342, 0.2985, 0.3178



7.9317, 0.1795, 0.1662



0.3657, 0.1933, 0.2158

Previews

White Background



This preview shows how the Yxy color 33.6661, 0.3678, 0.3662 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 33.6661, 0.3678, 0.3662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

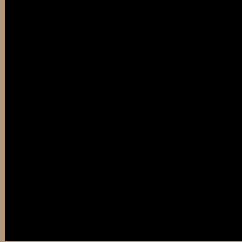
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6661, 0.3678, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 33.6661, 0.3678, 0.3662.



This preview shows how white text looks on a background with the Yxy color 33.6661, 0.3678, 0.3662.

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

33.6661, 0.3678, 0.3662

Protanopia

33.7794, 0.3492, 0.3723

Deuteranopia

33.7069, 0.3715, 0.3644



Tritanopia

33.5610, 0.3395, 0.3126

Trichromacy



Original Color

33.6661, 0.3678, 0.3662

Protanomaly

33.6329, 0.3561, 0.3702

Deuteranomaly

33.5847, 0.3704, 0.3645

Tritanomaly

33.6688, 0.3504, 0.3319

Monochromacy



Original Color

33.6661, 0.3678, 0.3662

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.5173, 0.3312, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6661, 0.3678, 0.3662 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, 152, 126)` looks like.

```
.text, #text, p{  
    color:rgb(180, 152, 126)  
}
```

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, 152, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 152, 126) }
```

Border

The CSS property to change the border of an element to Yxy 33.6661, 0.3678, 0.3662 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, 152, 126) }
```

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

```
.border{ border-color:rgb(180, 152, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 152, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 152, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 152, 126);  
box-shadow:4px 4px 4px 4px rgb(180, 152,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6661, 0.3678, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 152, 126) }
```

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

```
.background{ background-color: rgb(180,  
152, 126) }
```

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