

Converting Colors

$Yxy(33.7247, 0.3309, 0.4057)$

Have a look what the booklet for
Yxy(33.7247, 0.3309, 0.4057)
contains.

Yxy(33.7701, 0.3305, 0.4061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7701, 0.3305, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	8CA575
RGB	140, 165, 117
RGB Percent	55%, 65%, 46%
CMY	0.4509, 0.3529, 0.5411
CMYK	0.15, 0.00, 0.29, 0.35
HSL	91°, 21%, 55%
HSV	91°, 29%, 65%
XYZ	27.4834, 33.7701, 21.9036
YIQ	152.0530, 0.5080, -20.2280

Conversions

Conversions Part 2

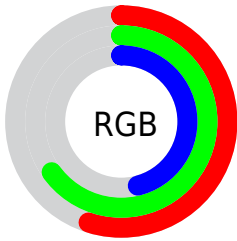
Format	Color
RYB	117, 165, 142
Decimal	9217397
CIELab	64.78, -17.55, 22.09
CIELCh	65, 28.214, 128.476
Yxy	33.7701, 0.3305, 0.4061
Android (android.graphics.Color)	4287407477 (0xFF8CA575)
YUV	152.0530, -17.2811, -10.5705
Hunter-Lab	58.1120, -17.2766, 18.3309

Details

The Yxy color **33.7701, 0.3305, 0.4061** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.1938, 0.2897, 0.2526**, and the grayscale version is **31.5013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5203, 0.3278, 0.3905**, and **14.3515, 0.3346, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **32.6994, 0.3357, 0.4356**, and if you desaturate by 10%, it is **34.9705, 0.3246, 0.3778**.

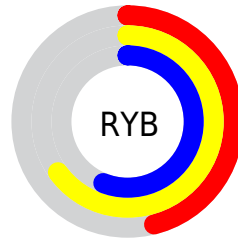
Distribution



Red (55%)

Green (65%)

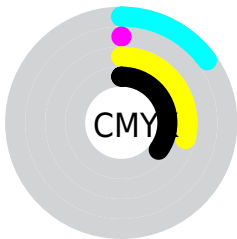
Blue (46%)



Red (46%)

Yellow (65%)

Blue (56%)

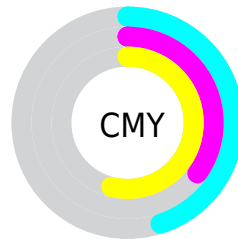


Cyan (15%)

Magenta (0%)

Yellow (29%)

Black (35%)



Cyan (45%)


Magenta (35%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7701, 0.3305, 0.4061 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 33.7701, 0.3305, 0.4061 by changing the saturation by 10% instead.

 33.7701, 0.3305,
0.4061


 33.7701, 0.3305,
0.4061


319.1057, 0.3220,
0.3642


 22.7170, 0.3324,
0.4177


 65.5760, 0.3276,
0.3900

 14.3847, 0.3346,
0.4334


 87.0976, 0.3264,
0.3842

 8.3887, 0.3370,
0.4556


 112.8776, 0.3254,
0.3795

 4.3447, 0.3391,
0.4891

143.3002, 0.3245,
0.3754

 1.8682, 0.3552,
0.5721

178.7499, 0.3238,
0.3720

 0.5291, 0.1233,
0.8767

219.6112, 0.3231,

 0.0000, 0.0000,

0.3690

0.0000

266.2683, 0.3225,
0.3665

■ 33.7701, 0.3305,
0.4061

■ 33.7701, 0.3305,
0.4061

■ 32.6994, 0.3357,
0.4356

■ 34.9705, 0.3246,
0.3778

■ 31.7489, 0.3400,
0.4652

■ 36.3007, 0.3184,
0.3513

■ 30.9150, 0.3427,
0.4939

■ 37.7666, 0.3121,
0.3269

■ 30.1919, 0.3437,
0.5200

■ 39.3724, 0.3060,
0.3046

■ 29.5730, 0.3427,
0.5423

■ 41.1218, 0.3000,
0.2846

■ 29.0512, 0.3395,
0.5594

■ 43.0188, 0.2944,
0.2667

■ 28.6133, 0.3348,
0.5716

■ 45.0669, 0.2891,
0.2508

■ 28.5759, 0.3344,
0.5727

■ 47.2697, 0.2842,
0.2366

■ 48.9345, 0.2867,
0.2330

Harmonies

Analogous

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



33.7701, 0.3707, 0.4043



33.7701, 0.3305, 0.4061



33.7701, 0.2873, 0.3824

Triad

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



33.7701, 0.3305, 0.4061



33.7701, 0.2349, 0.2706



33.7701, 0.3753, 0.3133

Complementary

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



33.7701, 0.3305, 0.4061



21.1938, 0.2897, 0.2526

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.



33.7701, 0.3346, 0.2831



33.7701, 0.3305, 0.4061



33.7701, 0.2546, 0.2585

Square

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



33.7701, 0.3305, 0.4061



33.7701, 0.2341, 0.2998



33.7701, 0.2903, 0.2635



33.7701, 0.3983, 0.3484

Rectangle

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



33.7701, 0.3305, 0.4061



33.7701, 0.2626, 0.3560



33.7701, 0.2903, 0.2635



33.7701, 0.3630, 0.3024

Sweetspot

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



33.7716, 0.3305, 0.4061



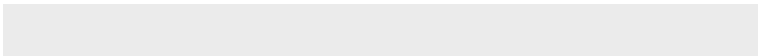
64.9912, 0.3185, 0.3515



28.5728, 0.3647, 0.3673



14.1330, 0.3193, 0.3551



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.7716, 0.3305, 0.4061



59.1978, 0.3340, 0.4253



31.9969, 0.3082, 0.4100



8.0537, 0.3185, 0.3517



21.6475, 0.3351, 0.5721



0.4830, 0.3646, 0.5487

Inverse Universe

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



21.1938, 0.2897, 0.2526



32.8941, 0.2831, 0.2337



23.4131, 0.3169, 0.2595



7.0328, 0.3065, 0.3063



3.5789, 0.2082, 0.0921



0.1032, 0.2488, 0.1144

Previews

White Background



This preview shows how the Yxy color 33.7701, 0.3305, 0.4061 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 33.7701, 0.3305, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

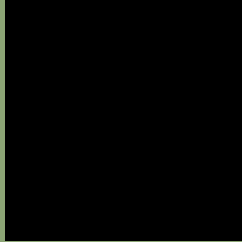
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7701, 0.3305, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 33.7701, 0.3305, 0.4061.



This preview shows how white text looks on a background with the Yxy color 33.7701, 0.3305, 0.4061.

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

33.7701, 0.3305, 0.4061

Protanopia

33.7412, 0.3667, 0.3941

Deuteranopia

33.3591, 0.3792, 0.3713



Tritanopia

33.6899, 0.2921, 0.3095

Trichromacy



Original Color

33.7701, 0.3305, 0.4061

Protanomaly

33.6256, 0.3529, 0.3995

Deuteranomaly

33.0994, 0.3607, 0.3827

Tritanomaly

33.7438, 0.3063, 0.3445

Monochromacy



Original Color

33.7701, 0.3305, 0.4061

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2739, 0.3203, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7701, 0.3305, 0.4061 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(140, 165, 117)` looks like.

```
.text, #text, p{  
    color:rgb(140, 165, 117)  
}
```

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(140, 165, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 165, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.7701, 0.3305, 0.4061 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(140, 165, 117) }
```

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

```
.border{ border-color:rgb(140, 165, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 165, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 165, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 165, 117);  
box-shadow:4px 4px 4px 4px rgb(140, 165,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7701, 0.3305, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 165, 117) }
```

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

```
.background{ background-color: rgb(140,  
165, 117) }
```

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