

Converting Colors

$Yxy(33.7680, 0.3444, 0.4347)$

Have a look what the booklet for
Yxy(33.7680, 0.3444, 0.4347)
contains.

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Color

Yxy(33.7680, 0.3444, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	8CA664
RGB	140, 166, 100
RGB Percent	55%, 65%, 39%
CMY	0.4509, 0.3490, 0.6079
CMYK	0.16, 0.00, 0.40, 0.35
HSL	84°, 27%, 52%
HSV	84°, 40%, 65%
XYZ	26.7534, 33.7680, 17.1598
YIQ	150.7020, 5.6900, -26.0380

Conversions

Conversions Part 2

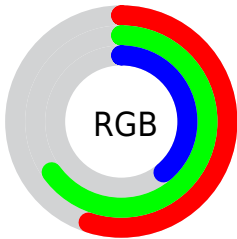
Format	Color
RYB	100, 166, 126
Decimal	9217636
CIELab	64.78, -20.50, 31.24
CIELCh	65, 37.368, 123.273
Yxy	33.7680, 0.3444, 0.4347
Android (android.graphics.Color)	4287407716 (0xFF8CA664)
YUV	150.7020, -24.9961, -9.3857
Hunter-Lab	58.1102, -19.5133, 23.1690

Details

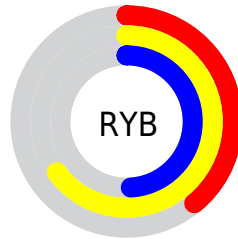
The Yxy color **33.7680, 0.3444, 0.4347** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.2973, 0.2690, 0.2188**, and the grayscale version is **30.9218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4492, 0.3388, 0.4123**, and **14.4064, 0.3512, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **32.9293, 0.3506, 0.4625**, and if you desaturate by 10%, it is **34.7089, 0.3371, 0.4066**.

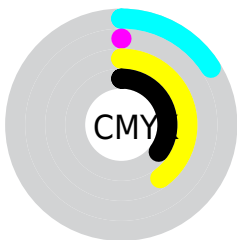
Distribution



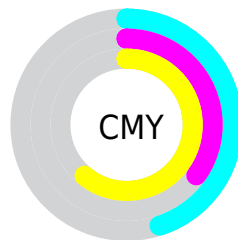
- Red (55%)
- Green (65%)
- Blue (39%)



- Red (39%)
- Yellow (65%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)




- Cyan (45%)
- Magenta (35%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7680, 0.3444, 0.4347 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 33.7680, 0.3444, 0.4347 by changing the saturation by 10% instead.


 33.7680, 0.3444,
0.4347


 33.7680, 0.3444,
0.4347


319.0963, 0.3294,
0.3772

 22.7154, 0.3475,
0.4505


 65.5727, 0.3393,
0.4127

 14.3835, 0.3510,
0.4715


 87.0937, 0.3373,
0.4048

 8.3879, 0.3543,
0.5007


 112.8729, 0.3355,
0.3982

 4.3441, 0.3561,
0.5435

 143.2947, 0.3340,
0.3927

 1.8679, 0.3648,
0.6352

178.7436, 0.3326,
0.3880

 0.5290, 0.0043,
0.9957

219.6039, 0.3314,

 0.0000, 0.0000,

0.3839

0.0000

266.2600, 0.3304,
0.3803

■ 33.7680, 0.3444,
0.4347

■ 33.7680, 0.3444,
0.4347

■ 32.9293, 0.3506,
0.4625

■ 34.7089, 0.3371,
0.4066

■ 32.1837, 0.3553,
0.4889

■ 35.7517, 0.3291,
0.3791

■ 31.5277, 0.3580,
0.5126


■ 36.9019, 0.3208,
0.3529


■ 30.9555, 0.3584,
0.5323


■ 38.1632, 0.3125,
0.3285

■ 30.4608, 0.3565,
0.5472

■ 39.5391, 0.3045,
0.3060


 30.0298, 0.3527,
0.5579

 41.0329, 0.2967,
0.2855

 30.0203, 0.3527,
0.5582

 42.6478, 0.2894,
0.2669

 44.3869, 0.2826,
0.2503

 46.2531, 0.2763,
0.2353

Harmonies

Analogous

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



33.7680, 0.3953, 0.4237



33.7680, 0.3444, 0.4347



33.7680, 0.2876, 0.4094

Triad

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



33.7680, 0.3444, 0.4347



33.7680, 0.2104, 0.2568



33.7680, 0.3874, 0.3003

Complementary

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



33.7680, 0.3444, 0.4347



16.2973, 0.2690, 0.2188

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.



33.7680, 0.3306, 0.2643



33.7680, 0.3444, 0.4347



33.7680, 0.2312, 0.2388

Square

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



33.7680, 0.3444, 0.4347



33.7680, 0.2133, 0.2975



33.7680, 0.2735, 0.2423



33.7680, 0.4234, 0.3442

Rectangle

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



33.7680, 0.3444, 0.4347



33.7680, 0.2541, 0.3749



33.7680, 0.2735, 0.2423



33.7680, 0.3698, 0.2871

Sweetspot

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



33.7695, 0.3444, 0.4347



66.4425, 0.3228, 0.3592



23.7676, 0.3939, 0.3687



14.8097, 0.3239, 0.3624



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.7695, 0.3444, 0.4347



59.8900, 0.3501, 0.4601



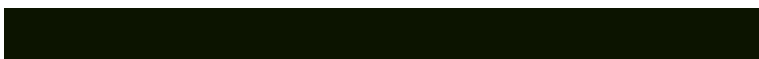
31.3608, 0.3137, 0.4456



8.6243, 0.3204, 0.3517



23.3068, 0.3532, 0.5577



0.5954, 0.3756, 0.5400

Inverse Universe

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



16.2973, 0.2690, 0.2188



23.5786, 0.2559, 0.1908



19.1638, 0.3077, 0.2304



7.4392, 0.3045, 0.3061



3.0407, 0.1851, 0.0793



0.1038, 0.2253, 0.1015

Previews

White Background



This preview shows how the Yxy color 33.7680, 0.3444, 0.4347 looks on a white background.

Color Contrast Check

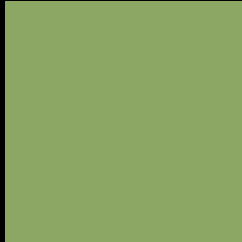
Large Text (above 18pt) WCAG AA × Fail

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 33.7680, 0.3444, 0.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

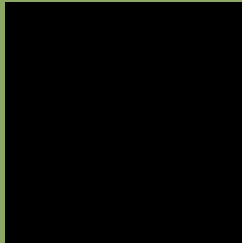
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7680, 0.3444, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 33.7680, 0.3444, 0.4347.



This preview shows how white text looks on a background with the Yxy color 33.7680, 0.3444, 0.4347.

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

33.7680, 0.3444, 0.4347

Protanopia

33.6164, 0.3846, 0.4176

Deuteranopia

33.5035, 0.3998, 0.3923



Tritanopia

33.8400, 0.2947, 0.3111

Trichromacy



Original Color

33.7680, 0.3444, 0.4347

Protanomaly

33.4783, 0.3703, 0.4241

Deuteranomaly

33.4141, 0.3788, 0.4066

Tritanomaly

33.6451, 0.3125, 0.3539

Monochromacy



Original Color

33.7680, 0.3444, 0.4347

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6459, 0.3259, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7680, 0.3444, 0.4347 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, 166, 100)` looks like.

```
.text, #text, p{  
    color:rgb(140, 166, 100)  
}
```

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, 166, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 166, 100) }
```

Border

The CSS property to change the border of an element to Yxy 33.7680, 0.3444, 0.4347 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, 166, 100) }
```

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

```
.border{ border-color:rgb(140, 166, 100) }
```

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

Here you see how a box with a 4 pixel rgb(140, 166, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 166, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 166, 100);  
box-shadow:4px 4px 4px 4px rgb(140, 166,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7680, 0.3444, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 166, 100) }
```

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

```
.background{ background-color: rgb(140,  
166, 100) }
```

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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