

Converting Colors

$Yxy(33.9154, 0.3238, 0.4054)$

Have a look what the booklet for
Yxy(33.9154, 0.3238, 0.4054)
contains.

Yxy(33.7552, 0.3238, 0.4054)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7552, 0.3238, 0.4054)

Conversions

Conversions Part 1

Format	Color
Hex	87A677
RGB	135, 166, 119
RGB Percent	53%, 65%, 47%
CMY	0.4705, 0.3490, 0.5333
CMYK	0.19, 0.00, 0.28, 0.35
HSL	100°, 21%, 56%
HSV	100°, 28%, 65%
XYZ	26.9609, 33.7552, 22.5479
YIQ	151.3730, -3.3890, -21.1890

Conversions

Conversions Part 2

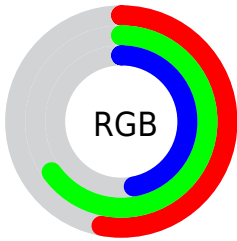
Format	Color
RYB	119, 166, 150
Decimal	8889975
CIELab	64.77, -19.61, 20.93
CIElCh	65, 28.682, 133.139
Yxy	33.7552, 0.3238, 0.4054
Android (android.graphics.Color)	4287080055 (0xFF87A677)
YUV	151.3730, -15.9599, -14.3591
Hunter-Lab	58.0992, -18.8410, 17.6595

Details

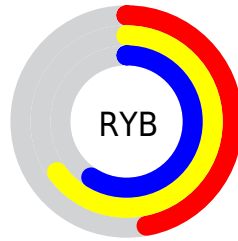
The Yxy color **33.7552, 0.3238, 0.4054** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4293, 0.2977, 0.2563**, and the grayscale version is **31.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4720, 0.3226, 0.3898**, and **14.3616, 0.3253, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **32.5304, 0.3269, 0.4362**, and if you desaturate by 10%, it is **35.1458, 0.3201, 0.3763**.

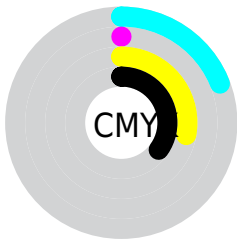
Distribution



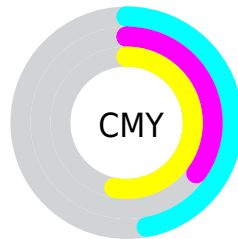
- Red (53%)
- Green (65%)
- Blue (47%)



- Red (47%)
- Yellow (65%)
- Blue (59%)



- Cyan (19%)
- Magenta (0%)
- Yellow (28%)
- Black (35%)





- Cyan (47%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7552, 0.3238, 0.4054 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 33.7552, 0.3238, 0.4054 by changing the saturation by 10% instead.

 33.7552, 0.3238,
0.4054


 33.7552, 0.3238,
0.4054


319.0391, 0.3188,
0.3637


 22.7056, 0.3247,
0.4170


 65.5528, 0.3222,
0.3894

 14.3763, 0.3257,
0.4328


 87.0696, 0.3215,
0.3836

 8.3828, 0.3264,
0.4552


 112.8442, 0.3209,
0.3789

 4.3409, 0.3261,
0.4894

143.2611, 0.3204,
0.3749

 1.8660, 0.3345,
0.5689

178.7047, 0.3199,
0.3715

 0.5278, 0.0416,
0.9584

219.5593, 0.3195,

 0.0000, 0.0000,

0.3685

0.0000

266.2093, 0.3191,
0.3660

■ 33.7552, 0.3238,
0.4054

■ 33.7552, 0.3238,
0.4054

■ 32.5304, 0.3269,
0.4362

■ 35.1458, 0.3201,
0.3763

■ 31.4607, 0.3291,
0.4677

■ 36.7039, 0.3161,
0.3494

■ 30.5406, 0.3301,
0.4986

■ 38.4367, 0.3120,
0.3251

■ 29.7627, 0.3296,
0.5272

■ 40.3497, 0.3079,
0.3032

■ 29.1187, 0.3275,
0.5516

■ 42.4479, 0.3039,
0.2838

■ 28.5994, 0.3239,
0.5704

■ 44.7364, 0.3001,
0.2666

■ 28.1907, 0.3192,
0.5834

■ 47.2200, 0.2965,
0.2514

■ 28.1296, 0.3184,
0.5854

■ 49.9033, 0.2931,
0.2380

■ 51.8971, 0.2995,
0.2375

Harmonies

Analogous

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



33.7552, 0.3659, 0.4074



33.7552, 0.3238, 0.4054



33.7552, 0.2806, 0.3776

Triad

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



33.7552, 0.3238, 0.4054



33.7552, 0.2356, 0.2665



33.7552, 0.3814, 0.3184

Complementary

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



33.7552, 0.3238, 0.4054



22.4293, 0.2977, 0.2563

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.



33.7552, 0.3420, 0.2866



33.7552, 0.3238, 0.4054



33.7552, 0.2584, 0.2571

Square

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



33.7552, 0.3238, 0.4054



33.7552, 0.2317, 0.2936



33.7552, 0.2966, 0.2647



33.7552, 0.4011, 0.3542

Rectangle

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



33.7552, 0.3238, 0.4054



33.7552, 0.2568, 0.3496



33.7552, 0.2966, 0.2647



33.7552, 0.3699, 0.3070

Sweetspot

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



33.7567, 0.3238, 0.4054



66.6645, 0.3161, 0.3490



31.1080, 0.3606, 0.3753



14.8209, 0.3167, 0.3528



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.



33.7567, 0.3238, 0.4054



59.8266, 0.3258, 0.4247



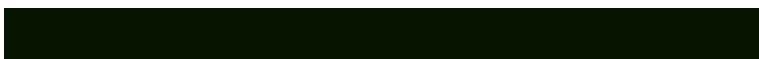
32.7015, 0.3033, 0.3965



8.5274, 0.3165, 0.3520



21.8375, 0.3190, 0.5849



0.5594, 0.3466, 0.5630

Inverse Universe

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



22.4293, 0.2977, 0.2563



35.8155, 0.2934, 0.2390



23.8027, 0.3238, 0.2697



7.5367, 0.3085, 0.3064



4.7024, 0.2380, 0.1085



0.1409, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 33.7552, 0.3238, 0.4054 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 33.7552, 0.3238, 0.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

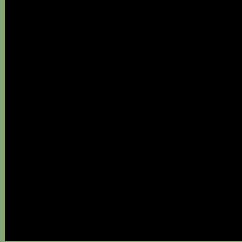
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7552, 0.3238, 0.4054

Background



This preview shows how black text looks on a background with the Yxy color 33.7552, 0.3238, 0.4054.



This preview shows how white text looks on a background with the Yxy color 33.7552, 0.3238, 0.4054.

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

33.7552, 0.3238, 0.4054

Protanopia

33.6766, 0.3638, 0.3914

Deuteranopia

33.2851, 0.3760, 0.3687



Tritanopia

33.6145, 0.2869, 0.3093

Trichromacy



Original Color

33.7552, 0.3238, 0.4054

Protanomaly

33.4705, 0.3490, 0.3969

Deuteranomaly

33.2644, 0.3562, 0.3815

Tritanomaly

33.7160, 0.3000, 0.3430

Monochromacy



Original Color

33.7552, 0.3238, 0.4054

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6608, 0.3174, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7552, 0.3238, 0.4054 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(135, 166, 119)` looks like.

```
.text, #text, p{  
    color:rgb(135, 166, 119)  
}
```

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(135, 166, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 166, 119) }
```

Border

The CSS property to change the border of an element to Yxy 33.7552, 0.3238, 0.4054 is called "border". The border property can be set on classes, ids or directly on the HTML element.

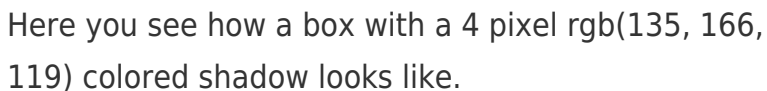
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 166, 119) }
```

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

```
.border{ border-color:rgb(135, 166, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 166, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 166, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 166, 119); box-shadow:4px 4px 4px 4px rgb(135, 166, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7552, 0.3238, 0.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 166, 119) }
```

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

```
.background{ background-color: rgb(135,  
166, 119) }
```

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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