

Converting Colors

$Yxy(31.1841, 0.3437, 0.4288)$

Have a look what the booklet for
Yxy(31.1841, 0.3437, 0.4288)
contains.

Yxy(31.2767, 0.3432, 0.4298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2767, 0.3432, 0.4298)

Conversions

Conversions Part 1

Format	Color
Hex	88A063
RGB	136, 160, 99
RGB Percent	53%, 63%, 39%
CMY	0.4667, 0.3725, 0.6119
CMYK	0.15, 0.00, 0.38, 0.37
HSL	84°, 24%, 51%
HSV	84°, 38%, 63%
XYZ	24.9748, 31.2767, 16.5189
YIQ	145.8700, 5.2770, -24.0590

Conversions

Conversions Part 2

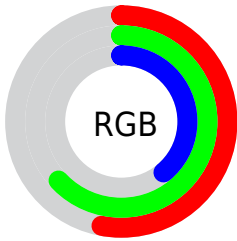
Format	Color
RYB	99, 160, 123
Decimal	8953955
CIELab	62.74, -19.15, 29.09
CIElCh	63, 34.827, 123.353
Yxy	31.2767, 0.3432, 0.4298
Android (android.graphics.Color)	4287144035 (0xFF88A063)
YUV	145.8700, -23.1069, -8.6560
Hunter-Lab	55.9256, -18.1567, 21.6353

Details

The Yxy color **31.2767, 0.3432, 0.4298** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6677, 0.2713, 0.2241**, and the grayscale version is **28.7828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7824, 0.3376, 0.4080**, and **12.8954, 0.3503, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **30.4901, 0.3496, 0.4577**, and if you desaturate by 10%, it is **32.1576, 0.3357, 0.4018**.

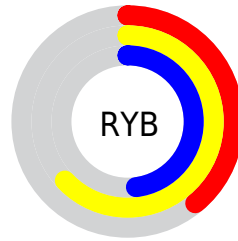
Distribution



Red (53%)

Green (63%)

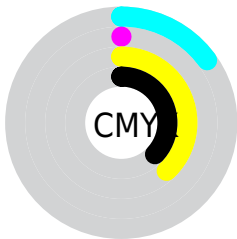
Blue (39%)



Red (39%)

Yellow (63%)

Blue (48%)

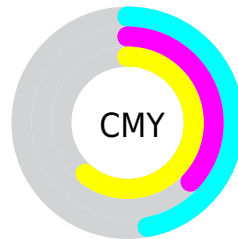


Cyan (15%)

Magenta (0%)

Yellow (38%)

Black (37%)



Cyan (47%)


Magenta (37%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2767, 0.3432, 0.4298 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 31.2767, 0.3432, 0.4298 by changing the saturation by 10% instead.


 31.2767, 0.3432,
0.4298


 31.2767, 0.3432,
0.4298


307.8111, 0.3285,
0.3744

 20.8096, 0.3464,
0.4453


 61.6754, 0.3381,
0.4084


 12.9849, 0.3500,
0.4662


 82.3759, 0.3361,
0.4008

 7.4182, 0.3536,
0.4956


 107.2563, 0.3344,
0.3944

 3.7250, 0.3566,
0.5407

 136.7010, 0.3329,
0.3891

 1.5209, 0.3648,
0.6352

171.0945, 0.3316,
0.3846

 0.3034, 0.0000,
1.0000

210.8210, 0.3304,

 0.0000, 0.0000,

0.3807

0.0000

256.2651, 0.3294,
0.3773

■ 31.2767, 0.3432,
0.4298

■ 31.2767, 0.3432,
0.4298

■ 30.4901, 0.3496,
0.4577

■ 32.1576, 0.3357,
0.4018

■ 29.7897, 0.3546,
0.4843

■ 33.1326, 0.3277,
0.3746

■ 29.1721, 0.3577,
0.5085


■ 34.2065, 0.3194,
0.3487


■ 28.6325, 0.3585,
0.5289


■ 35.3828, 0.3112,
0.3247

■ 28.1650, 0.3570,
0.5448

■ 36.6645, 0.3032,
0.3026


 27.7595, 0.3535,
0.5561

 38.0549, 0.2956,
0.2824

 27.6882, 0.3529,
0.5580

 39.5567, 0.2883,
0.2642

 41.1726, 0.2816,
0.2479

 42.9055, 0.2754,
0.2332

Harmonies

Analogous

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



31.2767, 0.3919, 0.4199



31.2767, 0.3432, 0.4298



31.2767, 0.2887, 0.4054

Triad

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



31.2767, 0.3432, 0.4298



31.2767, 0.2145, 0.2599



31.2767, 0.3843, 0.3017

Complementary

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



31.2767, 0.3432, 0.4298



15.6677, 0.2713, 0.2241

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.



31.2767, 0.3301, 0.2669



31.2767, 0.3432, 0.4298



31.2767, 0.2346, 0.2424

Square

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



31.2767, 0.3432, 0.4298



31.2767, 0.2172, 0.2990



31.2767, 0.2753, 0.2457



31.2767, 0.4185, 0.3441

Rectangle

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



31.2767, 0.3432, 0.4298



31.2767, 0.2566, 0.3727



31.2767, 0.2753, 0.2457



31.2767, 0.3675, 0.2890

Sweetspot

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



31.2781, 0.3432, 0.4298



61.4858, 0.3220, 0.3565



22.3851, 0.3894, 0.3669



13.4304, 0.3230, 0.3597



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.2781, 0.3432, 0.4298



55.5272, 0.3489, 0.4542



29.1143, 0.3138, 0.4397



7.5900, 0.3203, 0.3515



21.5929, 0.3534, 0.5576



0.4101, 0.3807, 0.5359

Inverse Universe

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



15.6677, 0.2713, 0.2241



22.9555, 0.2591, 0.1974



18.2188, 0.3080, 0.2346



6.5562, 0.3046, 0.3063



2.8231, 0.1854, 0.0795



0.0742, 0.2316, 0.1050

Previews

White Background



This preview shows how the Yxy color 31.2767, 0.3432, 0.4298 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 31.2767, 0.3432, 0.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

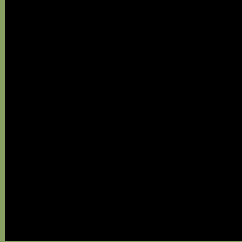
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2767, 0.3432, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 31.2767, 0.3432, 0.4298.



This preview shows how white text looks on a background with the Yxy color 31.2767, 0.3432, 0.4298.

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

31.2767, 0.3432, 0.4298

Protanopia

30.9771, 0.3816, 0.4119

Deuteranopia

31.0339, 0.3972, 0.3903



Tritanopia

31.1566, 0.2951, 0.3105

Trichromacy



Original Color

31.2767, 0.3432, 0.4298

Protanomaly

30.8443, 0.3668, 0.4184

Deuteranomaly

30.7516, 0.3773, 0.4033

Tritanomaly

31.0869, 0.3136, 0.3530

Monochromacy



Original Color

31.2767, 0.3432, 0.4298

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.4690, 0.3243, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2767, 0.3432, 0.4298 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(136, 160, 99)` looks like.

```
.text, #text, p{  
    color:rgb(136, 160, 99)  
}
```

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(136, 160, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 160, 99) }
```

Border

The CSS property to change the border of an element to Yxy 31.2767, 0.3432, 0.4298 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(136, 160, 99) }
```

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

```
.border{ border-color:rgb(136, 160, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 160, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 160, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 160, 99);  
box-shadow:4px 4px 4px 4px rgb(136, 160,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2767, 0.3432, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 160, 99) }
```

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

```
.background{ background-color: rgb(136,  
160, 99) }
```

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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