

Converting Colors

$Y_{xy}(28.8130, 0.3438, 0.4197)$

Have a look what the booklet for
Yxy(28.8130, 0.3438, 0.4197)
contains.

Yxy(28.8342, 0.3446, 0.4204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8342, 0.3446, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	879963
RGB	135, 153, 99
RGB Percent	53%, 60%, 39%
CMY	0.4705, 0.4000, 0.6119
CMYK	0.12, 0.00, 0.35, 0.40
HSL	80°, 21%, 49%
HSV	80°, 35%, 60%
XYZ	23.6353, 28.8342, 16.1181
YIQ	141.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

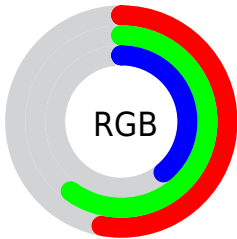
Format	Color
RYB	99, 153, 117
Decimal	8886627
CIELab	60.64, -15.90, 26.33
CIELCh	61, 30.760, 121.131
Yxy	28.8342, 0.3446, 0.4204
Android (android.graphics.Color)	4287076707 (0xFF879963)
YUV	141.4620, -20.9338, -5.6672
Hunter-Lab	53.6975, -15.4028, 19.7915

Details

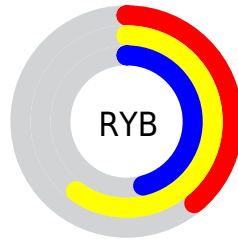
The Yxy color $28.8342, 0.3446, 0.4204$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.9991, 0.2713, 0.2320$, and the grayscale version is $26.9094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6465, 0.3392, 0.4007$, and $11.6266, 0.3527, 0.4554$ is the 20% darker color. If you saturate the color by 10%, you get $28.1574, 0.3524, 0.4475$, and if you desaturate by 10%, it is $29.5892, 0.3359, 0.3932$.

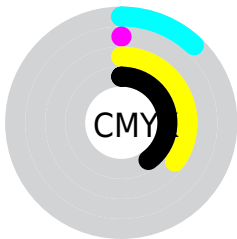
Distribution



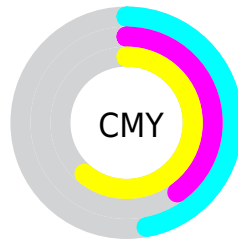
- Red (53%)
- Green (60%)
- Blue (39%)



- Red (39%)
- Yellow (60%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)





- Cyan (47%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8342, 0.3446, 0.4204 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 28.8342, 0.3446, 0.4204 by changing the saturation by 10% instead.


 28.8342, 0.3446,
0.4204


 28.8342, 0.3446,
0.4204


296.4319, 0.3286,
0.3697


 18.9554, 0.3484,
0.4348


 57.8136, 0.3389,
0.4007


 11.6381, 0.3529,
0.4544


 77.6829, 0.3367,
0.3937

 6.4977, 0.3580,
0.4823


 101.6513, 0.3348,
0.3879

 3.1500, 0.3645,
0.5273

 130.1031, 0.3332,
0.3831

 1.2106, 0.3764,
0.6236

163.4226, 0.3318,
0.3790

 0.0703, 0.0000,
1.0000

201.9943, 0.3306,

 0.0000, 0.0000,

0.3755

0.0000

246.2026, 0.3295,
0.3724

■ 28.8342, 0.3446,
0.4204

■ 28.8342, 0.3446,
0.4204

■ 28.1574, 0.3524,
0.4475

■ 29.5892, 0.3359,
0.3932

■ 27.5517, 0.3589,
0.4736

■ 30.4218, 0.3268,
0.3668

■ 27.0144, 0.3635,
0.4974

■ 31.3361, 0.3176,
0.3417

■ 26.5415, 0.3660,
0.5179


■ 32.3351, 0.3085,
0.3182

■ 26.1282, 0.3661,
0.5341

■ 33.4213, 0.2997,
0.2966

 25.7683, 0.3640,
0.5456

 34.5972, 0.2914,
0.2769

 25.6109, 0.3626,
0.5503

 35.8653, 0.2837,
0.2591

 37.2279, 0.2764,
0.2430

 38.6871, 0.2697,
0.2285

Harmonies

Analogous

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



28.8342, 0.3879, 0.4103



28.8342, 0.3446, 0.4204



28.8342, 0.2948, 0.4004

Triad

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



28.8342, 0.3446, 0.4204



28.8342, 0.2221, 0.2683



28.8342, 0.3745, 0.3016

Complementary

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



28.8342, 0.3446, 0.4204



14.9991, 0.2713, 0.2320

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.



28.8342, 0.3249, 0.2702



28.8342, 0.3446, 0.4204



28.8342, 0.2392, 0.2503

Square

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



28.8342, 0.3446, 0.4204



28.8342, 0.2264, 0.3056



28.8342, 0.2755, 0.2517



28.8342, 0.4073, 0.3404

Rectangle

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



28.8342, 0.3446, 0.4204



28.8342, 0.2648, 0.3721



28.8342, 0.2755, 0.2517



28.8342, 0.3590, 0.2900

Sweetspot

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



28.8355, 0.3446, 0.4204



55.1321, 0.3230, 0.3563



20.1834, 0.3839, 0.3580



12.1301, 0.3241, 0.3594



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



28.8355, 0.3446, 0.4204



50.7138, 0.3506, 0.4409



26.9275, 0.3174, 0.4287



7.1198, 0.3212, 0.3513



21.1848, 0.3630, 0.5500



0.3364, 0.3890, 0.5293

Inverse Universe

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



14.9991, 0.2713, 0.2320



22.3191, 0.2602, 0.2087



17.0677, 0.3039, 0.2407



6.1213, 0.3037, 0.3064



2.4983, 0.1765, 0.0746



0.0558, 0.2231, 0.1003

Previews

White Background



This preview shows how the Yxy color 28.8342, 0.3446, 0.4204 looks on a white background.

Color Contrast Check

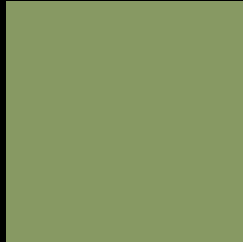
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8342, 0.3446, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

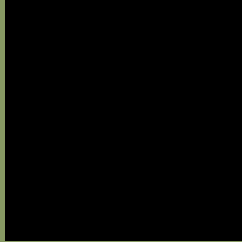
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8342, 0.3446, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 28.8342, 0.3446, 0.4204.



This preview shows how white text looks on a background with the Yxy color 28.8342, 0.3446, 0.4204.

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

28.8342, 0.3446, 0.4204

Protanopia

28.7732, 0.3776, 0.4071

Deuteranopia

28.7141, 0.3923, 0.3853



Tritanopia

28.8317, 0.2993, 0.3116

Trichromacy



Original Color

28.8342, 0.3446, 0.4204

Protanomaly

28.8420, 0.3648, 0.4129

Deuteranomaly

28.6640, 0.3743, 0.3978

Tritanomaly

28.8479, 0.3158, 0.3503

Monochromacy



Original Color

28.8342, 0.3446, 0.4204

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2461, 0.3251, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8342, 0.3446, 0.4204 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, 153, 99)` looks like.

```
.text, #text, p{  
    color:rgb(135, 153, 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(135, 153, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 153, 99) }
```

Border

The CSS property to change the border of an element to Yxy 28.8342, 0.3446, 0.4204 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, 153, 99) }
```

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

```
.border{ border-color:rgb(135, 153, 99) }
```

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

Here you see how a box with a 4 pixel rgb(135, 153, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 153, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 153, 99);  
box-shadow:4px 4px 4px 4px rgb(135, 153,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8342, 0.3446, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 153, 99) }
```

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

```
.background{ background-color: rgb(135,  
153, 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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