

Converting Colors

$Y_{xy}(28.8363, 0.3353, 0.4166)$

Have a look what the booklet for
Yxy(28.8363, 0.3353, 0.4166)
contains.

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Color

Yxy(28.8363, 0.3353, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	829A67
RGB	130, 154, 103
RGB Percent	51%, 60%, 40%
CMY	0.4902, 0.3961, 0.5961
CMYK	0.16, 0.00, 0.33, 0.40
HSL	88°, 20%, 50%
HSV	88°, 33%, 60%
XYZ	23.2089, 28.8363, 17.1730
YIQ	141.0100, 2.0670, -20.9490

Conversions

Conversions Part 2

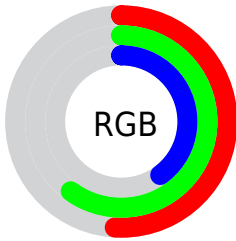
Format	Color
RYB	103, 154, 127
Decimal	8559207
CIELab	60.64, -17.81, 24.07
CIELCh	61, 29.948, 126.499
Yxy	28.8363, 0.3353, 0.4166
Android (android.graphics.Color)	4286749287 (0xFF829A67)
YUV	141.0100, -18.7389, -9.6558
Hunter-Lab	53.6994, -16.8264, 18.6287

Details

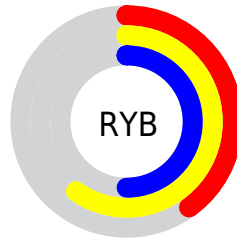
The Yxy color **28.8363, 0.3353, 0.4166** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.5453, 0.2828, 0.2407**, and the grayscale version is **26.7144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6687, 0.3315, 0.3963**, and **11.6818, 0.3412, 0.4505** is the 20% darker color. If you saturate the color by 10%, you get **28.0031, 0.3410, 0.4455**, and if you desaturate by 10%, it is **29.7694, 0.3288, 0.3883**.

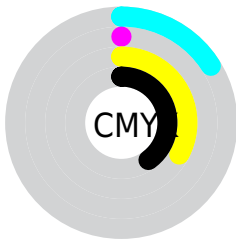
Distribution



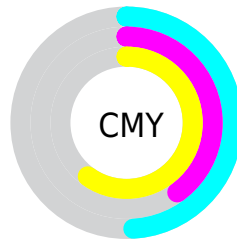
- Red (51%)
- Green (60%)
- Blue (40%)



- Red (40%)
- Yellow (60%)
- Blue (50%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (40%)




- Cyan (49%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8363, 0.3353, 0.4166 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 28.8363, 0.3353, 0.4166 by changing the saturation by 10% instead.


 28.8363, 0.3353,
0.4166


 28.8363, 0.3353,
0.4166


296.4418, 0.3242,
0.3678

 18.9570, 0.3378,
0.4306


 57.8169, 0.3314,
0.3975


 11.6392, 0.3406,
0.4498


 77.6870, 0.3299,
0.3908

 6.4985, 0.3436,
0.4776


 101.6562, 0.3286,
0.3853

 3.1505, 0.3459,
0.5211

 130.1088, 0.3275,
0.3806

 1.2108, 0.3611,
0.6389

163.4293, 0.3265,
0.3767

 0.0705, 0.0000,
1.0000

202.0020, 0.3256,

 0.0000, 0.0000,

0.3733

0.0000

246.2114, 0.3249,
0.3704

■ 28.8363, 0.3353,
0.4166

■ 28.8363, 0.3353,
0.4166

■ 28.0031, 0.3410,
0.4455

■ 29.7694, 0.3288,
0.3883

■ 27.2620, 0.3455,
0.4740

■ 30.8023, 0.3219,
0.3615

■ 26.6100, 0.3484,
0.5009


■ 31.9397, 0.3149,
0.3364

■ 26.0425, 0.3493,
0.5248


■ 33.1849, 0.3080,
0.3134

■ 25.5540, 0.3480,
0.5444

■ 34.5411, 0.3012,
0.2925


 25.1385, 0.3446,
0.5589

 36.0112, 0.2948,
0.2737

 24.8851, 0.3416,
0.5670

 37.5981, 0.2888,
0.2568

 39.3046, 0.2832,
0.2417

 41.1332, 0.2779,
0.2282

Harmonies

Analogous

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



28.8363, 0.3795, 0.4119



28.8363, 0.3353, 0.4166



28.8363, 0.2871, 0.3918

Triad

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



28.8363, 0.3353, 0.4166



28.8363, 0.2258, 0.2653



28.8363, 0.3802, 0.3088

Complementary

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



28.8363, 0.3353, 0.4166



16.5453, 0.2828, 0.2407

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.



28.8363, 0.3337, 0.2763



28.8363, 0.3353, 0.4166



28.8363, 0.2461, 0.2511

Square

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



28.8363, 0.3353, 0.4166



28.8363, 0.2262, 0.2986



28.8363, 0.2845, 0.2556



28.8363, 0.4077, 0.3473

Rectangle

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



28.8363, 0.3353, 0.4166



28.8363, 0.2592, 0.3624



28.8363, 0.2845, 0.2556



28.8363, 0.3660, 0.2970

Sweetspot

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



28.8376, 0.3353, 0.4166



56.5344, 0.3199, 0.3539



22.9768, 0.3743, 0.3685



12.7366, 0.3208, 0.3573



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.8376, 0.3353, 0.4166



51.2024, 0.3398, 0.4388



27.0770, 0.3098, 0.4238



7.0784, 0.3192, 0.3515



20.2945, 0.3422, 0.5665



0.3250, 0.3747, 0.5407

Inverse Universe

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



16.5453, 0.2828, 0.2407



25.2318, 0.2739, 0.2182



18.7377, 0.3143, 0.2486



6.1617, 0.3058, 0.3065



3.0596, 0.1989, 0.0869



0.0671, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 28.8363, 0.3353, 0.4166 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 28.8363, 0.3353, 0.4166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

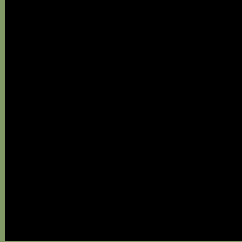
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8363, 0.3353, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 28.8363, 0.3353, 0.4166.



This preview shows how white text looks on a background with the Yxy color 28.8363, 0.3353, 0.4166.

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

28.8363, 0.3353, 0.4166

Protanopia

28.7470, 0.3725, 0.4013

Deuteranopia

28.6810, 0.3868, 0.3797



Tritanopia

28.7739, 0.2926, 0.3098

Trichromacy



Original Color

28.8363, 0.3353, 0.4166

Protanomaly

28.7304, 0.3587, 0.4072

Deuteranomaly

28.4388, 0.3668, 0.3924

Tritanomaly

28.8277, 0.3078, 0.3472

Monochromacy



Original Color

28.8363, 0.3353, 0.4166

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4084, 0.3218, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8363, 0.3353, 0.4166 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(130, 154, 103)` looks like.

```
.text, #text, p{  
    color:rgb(130, 154, 103)  
}
```

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(130, 154, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 154, 103) }
```

Border

The CSS property to change the border of an element to Yxy 28.8363, 0.3353, 0.4166 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(130, 154, 103) }
```

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

```
.border{ border-color:rgb(130, 154, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 154, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 154, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 154, 103);  
box-shadow:4px 4px 4px 4px rgb(130, 154,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8363, 0.3353, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 154, 103) }
```

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

```
.background{ background-color: rgb(130,  
154, 103) }
```

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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