

Converting Colors

$Y_{xy}(28.1535, 0.2854, 0.3829)$

Have a look what the booklet for
Yxy(28.1535, 0.2854, 0.3829)
contains.

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Color

Yxy(28.2989, 0.2851, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	639D7F
RGB	99, 157, 127
RGB Percent	39%, 62%, 50%
CMY	0.6119, 0.3843, 0.5019
CMYK	0.37, 0.00, 0.19, 0.38
HSL	149°, 23%, 50%
HSV	149°, 37%, 62%
XYZ	21.0324, 28.2989, 24.4406
YIQ	136.2380, -24.9380, -21.6260

Conversions

Conversions Part 2

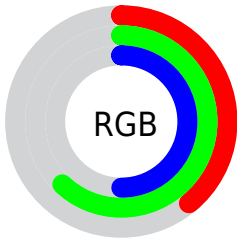
Format	Color
R_{YB}	99, 138, 157
Decimal	6528383
CIE _{Lab}	60.16, -25.84, 9.76
CIE _{LCh}	60, 27.621, 159.310
Yxy	28.2989, 0.2851, 0.3836
Android (android.graphics.Color)	4284718463 (0xFF639D7F)
YUV	136.2380, -4.5543, -32.6577
Hunter-Lab	53.1967, -22.5207, 9.9976

Details

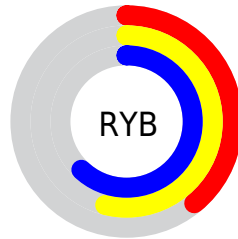
The Yxy color $28.2989, 0.2851, 0.3836$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.6712, 0.3545, 0.2806$, and the grayscale version is $24.7378, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0577, 0.2912, 0.3714$, and $11.2816, 0.2739, 0.4042$ is the 20% darker color. If you saturate the color by 10%, you get $27.2972, 0.2792, 0.4016$, and if you desaturate by 10%, it is $29.4918, 0.2919, 0.3669$.

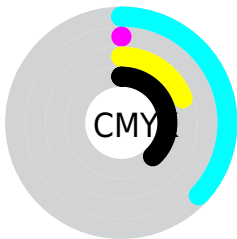
Distribution



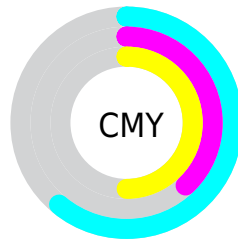
- Red (39%)
- Green (62%)
- Blue (50%)



- Red (39%)
- Yellow (54%)
- Blue (62%)



- Cyan (37%)
- Magenta (0%)
- Yellow (19%)
- Black (38%)





- Cyan (61%)
- Magenta (38%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2989, 0.2851, 0.3836 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 28.2989, 0.2851, 0.3836 by changing the saturation by 10% instead.


 28.2989, 0.2851,
0.3836

 28.2989, 0.2851,
0.3836


293.8924, 0.3005,
0.3530

 18.5511, 0.2806,
0.3926


 56.9613, 0.2912,
0.3716

 11.3464, 0.2744,
0.4050


 76.6447, 0.2933,
0.3674

 6.3003, 0.2651,
0.4235


 100.4087, 0.2950,
0.3639

 3.0285, 0.2502,
0.4535

 128.6378, 0.2965,
0.3610

 1.1466, 0.2060,
0.5391

161.7163, 0.2977,
0.3586

 0.0175, 0.0000,
1.0000

200.0287, 0.2988,

 0.0000, 0.0000,

0.3565

0.0000

243.9592, 0.2997,
0.3546

■ 28.2989, 0.2851,
0.3836

■ 28.2989, 0.2851,
0.3836

■ 27.2972, 0.2792,
0.4016

■ 29.4918, 0.2919,
0.3669

■ 26.4729, 0.2745,
0.4207

■ 30.8822, 0.2994,
0.3516

■ 25.8157, 0.2713,
0.4405

■ 32.4799, 0.3072,
0.3378

■ 25.3127, 0.2699,
0.4604

■ 34.2935, 0.3151,
0.3254

■ 24.9491, 0.2704,
0.4800

■ 36.3307, 0.3231,
0.3144

■ 24.7019, 0.2726,
0.4986

■ 38.5992, 0.3308,
0.3048

■ 24.6362, 0.2734,
0.5042

■ 41.1059, 0.3384,
0.2962

■ 43.8578, 0.3456,
0.2888

■ 46.8615, 0.3525,
0.2823

Harmonies

Analogous

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



28.2989, 0.3298, 0.4089



28.2989, 0.2851, 0.3836



28.2989, 0.2495, 0.3405

Triad

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



28.2989, 0.2851, 0.3836



28.2989, 0.2533, 0.2559



28.2989, 0.4019, 0.3500

Complementary

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



28.2989, 0.2851, 0.3836



17.6712, 0.3545, 0.2806

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.



28.2989, 0.3786, 0.3136



28.2989, 0.2851, 0.3836



28.2989, 0.2906, 0.2616

Square

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



28.2989, 0.2851, 0.3836



28.2989, 0.2325, 0.2678



28.2989, 0.3367, 0.2822



28.2989, 0.3988, 0.3843

Rectangle

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



28.2989, 0.2851, 0.3836



28.2989, 0.2351, 0.3108



28.2989, 0.3367, 0.2822



28.2989, 0.3969, 0.3377

Sweetspot

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



28.3001, 0.2851, 0.3836



56.9012, 0.3038, 0.3434



29.6800, 0.3369, 0.4281



12.4427, 0.3029, 0.3452



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.



28.3001, 0.2851, 0.3836



49.2351, 0.2803, 0.3977



29.1687, 0.2629, 0.3305



7.4518, 0.3054, 0.3408



20.0149, 0.2730, 0.5028



0.3664, 0.2526, 0.4292

Inverse Universe

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



17.6712, 0.3545, 0.2806



27.4857, 0.3672, 0.2702



17.0064, 0.3981, 0.3277



6.7005, 0.3207, 0.3175



6.3132, 0.4847, 0.2444



0.1214, 0.4059, 0.2010

Previews

White Background



This preview shows how the Yxy color 28.2989, 0.2851, 0.3836 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 28.2989, 0.2851, 0.3836 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 28.2989, 0.2851, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 28.2989, 0.2851, 0.3836.



This preview shows how white text looks on a background with the Yxy color 28.2989, 0.2851, 0.3836.

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

28.2989, 0.2851, 0.3836

Protanopia

28.0024, 0.3448, 0.3661

Deuteranopia

27.8905, 0.3481, 0.3415



Tritanopia

28.2626, 0.2620, 0.3087

Trichromacy



Original Color

28.2989, 0.2851, 0.3836

Protanomaly

27.9115, 0.3209, 0.3733

Deuteranomaly

27.7449, 0.3220, 0.3556

Tritanomaly

28.2886, 0.2699, 0.3341

Monochromacy



Original Color

28.2989, 0.2851, 0.3836

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.8509, 0.3014, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2989, 0.2851, 0.3836 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(99, 157, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 157, 127)  
}
```

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(99, 157, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 157, 127) }
```

Border

The CSS property to change the border of an element to Yxy 28.2989, 0.2851, 0.3836 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(99, 157, 127) }
```

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

```
.border{ border-color:rgb(99, 157, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 157, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 157, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 157, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 157,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2989, 0.2851, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 157, 127) }
```

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

```
.background{ background-color: rgb(99, 157,  
127) }
```

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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