

Converting Colors

$Y_{xy}(27.1794, 0.3119, 0.3515)$

Have a look what the booklet for
Yxy(27.1794, 0.3119, 0.3515)
contains.

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Color

Yxy(27.2378, 0.3117, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	859285
RGB	133, 146, 133
RGB Percent	52%, 57%, 52%
CMY	0.4783, 0.4275, 0.4784
CMYK	0.09, 0.00, 0.09, 0.43
HSL	120°, 6%, 55%
HSV	120°, 9%, 57%
XYZ	24.1881, 27.2378, 26.1747
YIQ	140.6310, -3.5750, -6.7990

Conversions

Conversions Part 2

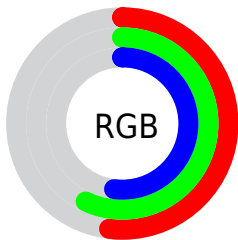
Format	Color
R_{YB}	133, 146, 146
Decimal	8753797
CIE _{Lab}	59.19, -7.26, 5.29
CIE _{LCh}	59, 8.980, 143.928
Yxy	27.2378, 0.3117, 0.3510
Android (android.graphics.Color)	4286943877 (0xFF859285)
YUV	140.6310, -3.7621, -6.6924
Hunter-Lab	52.1898, -8.6040, 6.7973

Details

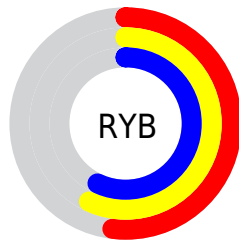
The Yxy color $27.2378, 0.3117, 0.3510$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $24.9613, 0.3137, 0.3079$, and the grayscale version is $26.5020, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2928, 0.3119, 0.3465$, and $10.8448, 0.3098, 0.3593$ is the 20% darker color. If you saturate the color by 10%, you get $25.7571, 0.3104, 0.3789$, and if you desaturate by 10%, it is $28.9417, 0.3128, 0.3265$.

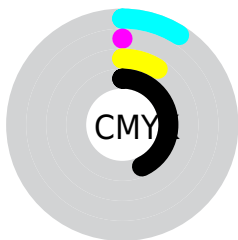
Distribution



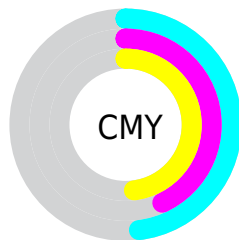
- Red (52%)
- Green (57%)
- Blue (52%)



- Red (52%)
- Yellow (57%)
- Blue (57%)



- Cyan (9%)
- Magenta (0%)
- Yellow (9%)
- Black (43%)




- Cyan (48%)
- Magenta (43%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2378, 0.3117, 0.3510 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 27.2378, 0.3117, 0.3510 by changing the saturation by 10% instead.


 27.2378, 0.3117,
0.3510


 27.2378, 0.3117,
0.3510


288.8067, 0.3123,
0.3389


 17.7519, 0.3115,
0.3545


 55.2652, 0.3120,
0.3463

 10.7720, 0.3112,
0.3593


 74.5755, 0.3121,
0.3446

 5.9137, 0.3107,
0.3663

 97.9294, 0.3121,
0.3432

 2.7927, 0.3098,
0.3775

125.7113, 0.3122,
0.3421

 1.0245, 0.3095,
0.4012

158.3056, 0.3122,
0.3411

 0.0000, 0.0000,
0.0000

196.0967, 0.3123,

0.3402

239.4689, 0.3123,
0.3395

■ 27.2378, 0.3117,
0.3510

■ 27.2378, 0.3117,
0.3510

■ 25.7571, 0.3104,
0.3789

■ 28.9417, 0.3128,
0.3265

■ 24.4871, 0.3090,
0.4099

■ 30.8739, 0.3138,
0.3051

■ 23.4192, 0.3074,
0.4434

■ 33.0436, 0.3147,
0.2866

■ 22.5431, 0.3058,
0.4783

■ 35.4584, 0.3154,
0.2708

■ 21.8474, 0.3042,
0.5126

■ 38.1258, 0.3160,
0.2571

■ 21.3196, 0.3027,
0.5439

■ 41.0527, 0.3166,
0.2454

■ 20.9454, 0.3015,
0.5696

■ 44.2459, 0.3170,
0.2354

■ 20.7085, 0.3006,
0.5877

■ 47.7120, 0.3174,
0.2267

■ 20.5721, 0.3001,
0.5988

■ 49.0370, 0.3176,
0.2239

Harmonies

Analogous

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



27.2378, 0.3265, 0.3554



27.2378, 0.3117, 0.3510



27.2378, 0.2974, 0.3402

Triad

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



27.2378, 0.3117, 0.3510



27.2378, 0.2880, 0.3056



27.2378, 0.3388, 0.3307

Complementary

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



27.2378, 0.3117, 0.3510



24.9613, 0.3137, 0.3079

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.



27.2378, 0.3280, 0.3181



27.2378, 0.3117, 0.3510



27.2378, 0.2986, 0.3038

Square

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



27.2378, 0.3117, 0.3510



27.2378, 0.2839, 0.3138



27.2378, 0.3132, 0.3083



27.2378, 0.3424, 0.3432

Rectangle

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



27.2378, 0.3117, 0.3510



27.2378, 0.2900, 0.3311



27.2378, 0.3132, 0.3083



27.2378, 0.3359, 0.3263

Sweetspot

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



27.2390, 0.3117, 0.3510



49.7597, 0.3124, 0.3363



28.2947, 0.3255, 0.3498



11.0187, 0.3123, 0.3381



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



27.2390, 0.3117, 0.3510



47.4126, 0.3114, 0.3572



27.4165, 0.3057, 0.3402



6.4687, 0.3117, 0.3518



18.0920, 0.3000, 0.6000



0.2215, 0.3002, 0.5998

Inverse Universe

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



24.9613, 0.3137, 0.3079



42.4227, 0.3139, 0.3023



24.7727, 0.3204, 0.3180



5.9089, 0.3137, 0.3072



7.1901, 0.3206, 0.1540



0.0881, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 27.2378, 0.3117, 0.3510 looks on a white background.

Color Contrast Check

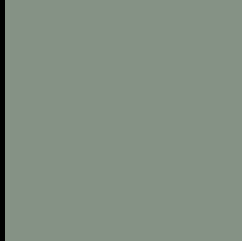
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2378, 0.3117, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

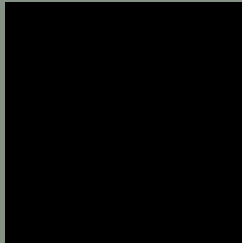
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

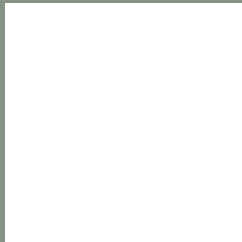
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2378, 0.3117, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 27.2378, 0.3117, 0.3510.

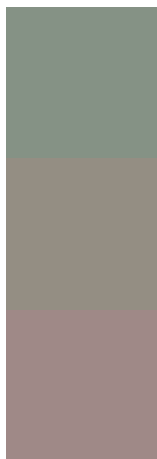


This preview shows how white text looks on a background with the Yxy color 27.2378, 0.3117, 0.3510.

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

27.2378, 0.3117, 0.3510

Protanopia

27.2806, 0.3304, 0.3469

Deuteranopia

27.0115, 0.3397, 0.3322



Tritanopia

27.2123, 0.2950, 0.3111

Trichromacy



Original Color

27.2378, 0.3117, 0.3510

Protanomaly

27.1505, 0.3237, 0.3472

Deuteranomaly

26.9614, 0.3299, 0.3387

Tritanomaly

27.1727, 0.3015, 0.3257

Monochromacy



Original Color

27.2378, 0.3117, 0.3510

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.8832, 0.3123, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2378, 0.3117, 0.3510 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(133, 146, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 146, 133)  
}
```

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(133, 146, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 146, 133) }
```

Border

The CSS property to change the border of an element to Yxy 27.2378, 0.3117, 0.3510 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(133, 146, 133) }
```

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

```
.border{ border-color:rgb(133, 146, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 146, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 146, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 146, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 146,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2378, 0.3117, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 146, 133) }
```

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

```
.background{ background-color: rgb(133,  
146, 133) }
```

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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