

Converting Colors

$Y_{xy}(27.2200, 0.3515, 0.4414)$

Have a look what the booklet for
Yxy(27.2200, 0.3515, 0.4414)
contains.

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Color

Yxy(27.1357, 0.3516, 0.4417)

Conversions

Conversions Part 1

Format	Color
Hex	819655
RGB	129, 150, 85
RGB Percent	51%, 59%, 33%
CMY	0.4941, 0.4118, 0.6666
CMYK	0.14, 0.00, 0.43, 0.41
HSL	79°, 28%, 46%
HSV	79°, 43%, 59%
XYZ	21.6004, 27.1357, 12.6985
YIQ	136.3110, 8.3490, -24.6670

Conversions

Conversions Part 2

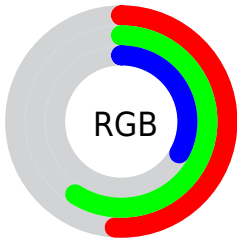
Format	Color
RYB	85, 150, 106
Decimal	8492629
CIELab	59.10, -18.58, 31.77
CIELCh	59, 36.802, 120.323
Yxy	27.1357, 0.3516, 0.4417
Android (android.graphics.Color)	4286682709 (0xFF819655)
YUV	136.3110, -25.2963, -6.4117
Hunter-Lab	52.0919, -17.1441, 22.0111

Details

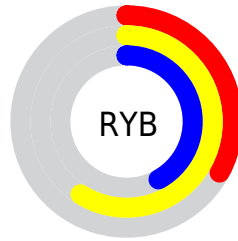
The Yxy color $27.1357, 0.3516, 0.4417$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $11.7687, 0.2587, 0.2071$, and the grayscale version is $24.8392, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0306, 0.3449, 0.4166$, and $10.6770, 0.3607, 0.4852$ is the 20% darker color. If you saturate the color by 10%, you get $26.5524, 0.3585, 0.4679$, and if you desaturate by 10%, it is $27.7899, 0.3434, 0.4147$.

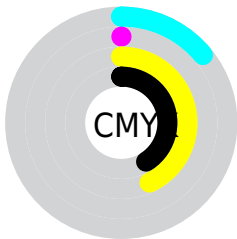
Distribution



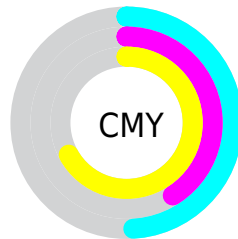
- Red (51%)
- Green (59%)
- Blue (33%)



- Red (33%)
- Yellow (59%)
- Blue (42%)



- Cyan (14%)
- Magenta (0%)
- Yellow (43%)
- Black (41%)





- Cyan (49%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1357, 0.3516, 0.4417 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 27.1357, 0.3516, 0.4417 by changing the saturation by 10% instead.


 27.1357, 0.3516,
0.4417

 27.1357, 0.3516,
0.4417


288.3136, 0.3324,
0.3786


 17.6752, 0.3558,
0.4597


 55.1015, 0.3449,
0.4171


 10.7170, 0.3604,
0.4842


 74.3756, 0.3423,
0.4083

 5.8769, 0.3646,
0.5186

 97.6897, 0.3400,
0.4012

 2.7704, 0.3839,
0.5985

 125.4282, 0.3381,
0.3952

 1.0131, 0.3322,
0.6678

 157.9754, 0.3364,
0.3901

 0.0000, 0.0000,
0.0000

195.7158, 0.3349,

0.3857

239.0337, 0.3336,
0.3819

■ 27.1357, 0.3516,
0.4417

■ 27.1357, 0.3516,
0.4417

■ 26.5524, 0.3585,
0.4679

■ 27.7899, 0.3434,
0.4147

■ 26.0331, 0.3638,
0.4920

■ 28.5147, 0.3345,
0.3877

■ 25.5750, 0.3669,
0.5131


■ 29.3141, 0.3251,
0.3616


■ 25.1737, 0.3677,
0.5300


■ 30.1911, 0.3158,
0.3368


■ 24.8243, 0.3661,
0.5423

■ 31.1480, 0.3066,
0.3138

 24.6104, 0.3643,
0.5489

 32.1875, 0.2978,
0.2926

 33.3119, 0.2895,
0.2733

 34.5235, 0.2817,
0.2557

 35.8243, 0.2745,
0.2400

Harmonies

Analogous

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



27.1357, 0.4040, 0.4259



27.1357, 0.3516, 0.4417



27.1357, 0.2915, 0.4190

Triad

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



27.1357, 0.3516, 0.4417



27.1357, 0.2043, 0.2558



27.1357, 0.3865, 0.2944

Complementary

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



27.1357, 0.3516, 0.4417



11.7687, 0.2587, 0.2071

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.



27.1357, 0.3252, 0.2579



27.1357, 0.3516, 0.4417



27.1357, 0.2236, 0.2348

Square

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



27.1357, 0.3516, 0.4417



27.1357, 0.2097, 0.3007



27.1357, 0.2659, 0.2366



27.1357, 0.4277, 0.3398

Rectangle

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



27.1357, 0.3516, 0.4417



27.1357, 0.2554, 0.3838



27.1357, 0.2659, 0.2366



27.1357, 0.3672, 0.2809

Sweetspot

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



27.1369, 0.3516, 0.4417



51.7407, 0.3251, 0.3614



17.3666, 0.4059, 0.3646



11.4006, 0.3270, 0.3666



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.1369, 0.3516, 0.4417



46.8866, 0.3584, 0.4671



25.0075, 0.3177, 0.4548



6.6517, 0.3213, 0.3512



20.4286, 0.3647, 0.5486



0.2660, 0.3911, 0.5277

Inverse Universe

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



11.7687, 0.2587, 0.2071



16.1236, 0.2433, 0.1769



14.1140, 0.3011, 0.2208



5.7185, 0.3036, 0.3065



2.3729, 0.1753, 0.0739



0.0436, 0.2223, 0.0998

Previews

White Background



This preview shows how the Yxy color 27.1357, 0.3516, 0.4417 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 27.1357, 0.3516, 0.4417 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 27.1357, 0.3516, 0.4417

Background



This preview shows how black text looks on a background with the Yxy color 27.1357, 0.3516, 0.4417.



This preview shows how white text looks on a background with the Yxy color 27.1357, 0.3516, 0.4417.

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

27.1357, 0.3516, 0.4417

Protanopia

27.0231, 0.3903, 0.4235

Deuteranopia

27.0836, 0.4076, 0.4002



Tritanopia

27.0492, 0.2979, 0.3111

Trichromacy



Original Color

27.1357, 0.3516, 0.4417

Protanomaly

26.9863, 0.3756, 0.4305

Deuteranomaly

26.8058, 0.3861, 0.4147

Tritanomaly

26.9602, 0.3188, 0.3579

Monochromacy



Original Color

27.1357, 0.3516, 0.4417

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3207, 0.3283, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1357, 0.3516, 0.4417 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(129, 150, 85)` looks like.

```
.text, #text, p{  
    color:rgb(129, 150, 85)  
}
```

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(129, 150, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 150, 85) }
```

Border

The CSS property to change the border of an element to Yxy 27.1357, 0.3516, 0.4417 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(129, 150, 85) }
```

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

```
.border{ border-color:rgb(129, 150, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 150, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 150, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 150, 85);  
box-shadow:4px 4px 4px 4px rgb(129, 150,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1357, 0.3516, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 150, 85) }
```

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

```
.background{ background-color: rgb(129,  
150, 85) }
```

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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