

Converting Colors

$Y_{xy}(27.3261, 0.3521, 0.4376)$

Have a look what the booklet for
Yxy(27.3261, 0.3521, 0.4376)
contains.

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Color

Yxy(27.3261, 0.3521, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	839657
RGB	131, 150, 87
RGB Percent	51%, 59%, 34%
CMY	0.4863, 0.4118, 0.6588
CMYK	0.13, 0.00, 0.42, 0.41
HSL	78°, 27%, 46%
HSV	78°, 42%, 59%
XYZ	21.9870, 27.3261, 13.1323
YIQ	137.1370, 8.8990, -23.6210

Conversions

Conversions Part 2

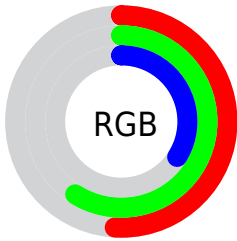
Format	Color
RYB	87, 150, 106
Decimal	8623703
CIELab	59.27, -17.53, 30.97
CIELCh	59, 35.585, 119.507
Yxy	27.3261, 0.3521, 0.4376
Android (android.graphics.Color)	4286813783 (0xFF839657)
YUV	137.1370, -24.7175, -5.3821
Hunter-Lab	52.2744, -16.4016, 21.6973

Details

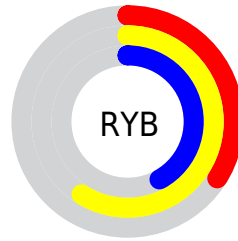
The Yxy color **27.3261, 0.3521, 0.4376** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.0829, 0.2591, 0.2107**, and the grayscale version is **25.1643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3350, 0.3452, 0.4135**, and **10.7824, 0.3608, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **26.7537, 0.3596, 0.4636**, and if you desaturate by 10%, it is **27.9677, 0.3434, 0.4108**.

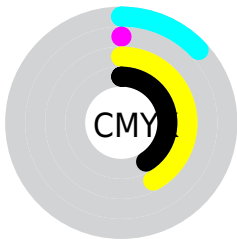
Distribution



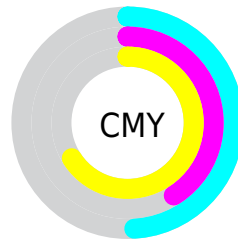
- Red (51%)
- Green (59%)
- Blue (34%)



- Red (34%)
- Yellow (59%)
- Blue (42%)



- Cyan (13%)
- Magenta (0%)
- Yellow (42%)
- Black (41%)





- Cyan (49%)
- Magenta (41%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3261, 0.3521, 0.4376 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 27.3261, 0.3521, 0.4376 by changing the saturation by 10% instead.


 27.3261, 0.3521,
0.4376


 27.3261, 0.3521,
0.4376


289.2326, 0.3325,
0.3769


 17.8183, 0.3565,
0.4549


 55.4067, 0.3452,
0.4140


 10.8196, 0.3615,
0.4783


 74.7483, 0.3425,
0.4056


 5.9457, 0.3665,
0.5113

 98.1366, 0.3402,
0.3987

 2.8121, 0.3839,
0.5833

 125.9560, 0.3382,
0.3929

 1.0344, 0.3463,
0.6537

 158.5909, 0.3365,
0.3880

 0.0000, 0.0000,
0.0000

196.4257, 0.3350,

0.3838

239.8448, 0.3336,
0.3801

■ 27.3261, 0.3521,
0.4376

■ 27.3261, 0.3521,
0.4376

■ 26.7537, 0.3596,
0.4636

■ 27.9677, 0.3434,
0.4108

■ 26.2434, 0.3655,
0.4877

■ 28.6779, 0.3340,
0.3841

■ 25.7927, 0.3693,
0.5088

■ 29.4608, 0.3243,
0.3582

■ 25.3974, 0.3707,
0.5259

■ 30.3191, 0.3146,
0.3337

■ 25.0525, 0.3697,
0.5384

■ 31.2553, 0.3052,
0.3109

■ 24.8027, 0.3678,
0.5461

■ 32.2719, 0.2962,
0.2899

■ 33.3712, 0.2876,
0.2707

■ 34.5553, 0.2797,
0.2533

■ 35.8264, 0.2723,
0.2377

Harmonies

Analogous

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



27.3261, 0.4023, 0.4220



27.3261, 0.3521, 0.4376



27.3261, 0.2940, 0.4166

Triad

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



27.3261, 0.3521, 0.4376



27.3261, 0.2075, 0.2592



27.3261, 0.3825, 0.2945

Complementary

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



27.3261, 0.3521, 0.4376



12.0829, 0.2591, 0.2107

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.



27.3261, 0.3232, 0.2594



27.3261, 0.3521, 0.4376



27.3261, 0.2257, 0.2381

Square

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



27.3261, 0.3521, 0.4376



27.3261, 0.2135, 0.3034



27.3261, 0.2661, 0.2391



27.3261, 0.4230, 0.3385

Rectangle

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



27.3261, 0.3521, 0.4376



27.3261, 0.2587, 0.3833



27.3261, 0.2661, 0.2391



27.3261, 0.3638, 0.2815

Sweetspot

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



27.3273, 0.3521, 0.4376



51.8088, 0.3255, 0.3614



17.4602, 0.4028, 0.3618



11.4178, 0.3275, 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.



27.3273, 0.3521, 0.4376



47.3099, 0.3589, 0.4610



25.1884, 0.3187, 0.4501



6.6578, 0.3216, 0.3512



20.5872, 0.3682, 0.5458



0.2674, 0.3932, 0.5260

Inverse Universe

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



12.0829, 0.2591, 0.2107



16.8619, 0.2445, 0.1824



14.3711, 0.3002, 0.2236



5.7127, 0.3033, 0.3065



2.3086, 0.1725, 0.0724



0.0422, 0.2182, 0.0975

Previews

White Background



This preview shows how the Yxy color 27.3261, 0.3521, 0.4376 looks on a white background.

Color Contrast Check

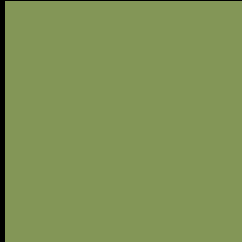
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3261, 0.3521, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

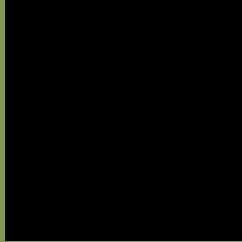
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3261, 0.3521, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 27.3261, 0.3521, 0.4376.



This preview shows how white text looks on a background with the Yxy color 27.3261, 0.3521, 0.4376.

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

27.3261, 0.3521, 0.4376

Protanopia

27.0540, 0.3884, 0.4205

Deuteranopia

27.1172, 0.4054, 0.3974



Tritanopia

27.2214, 0.3000, 0.3112

Trichromacy



Original Color

27.3261, 0.3521, 0.4376

Protanomaly

27.1097, 0.3749, 0.4271

Deuteranomaly

26.9391, 0.3853, 0.4113

Tritanomaly

27.1541, 0.3199, 0.3560

Monochromacy



Original Color

27.3261, 0.3521, 0.4376

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8288, 0.3283, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3261, 0.3521, 0.4376 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(131, 150, 87)` looks like.

```
.text, #text, p{  
    color:rgb(131, 150, 87)  
}
```

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(131, 150, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 150, 87) }
```

Border

The CSS property to change the border of an element to Yxy 27.3261, 0.3521, 0.4376 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(131, 150, 87) }
```

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

```
.border{ border-color:rgb(131, 150, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 150, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 150, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 150, 87);  
box-shadow:4px 4px 4px 4px rgb(131, 150,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3261, 0.3521, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 150, 87) }
```

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

```
.background{ background-color: rgb(131,  
150, 87) }
```

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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