

Converting Colors

$Y_{xy}(29.5683, 0.3454, 0.4678)$

Have a look what the booklet for
Yxy(29.5683, 0.3454, 0.4678)
contains.

Yxy(29.4839, 0.3458, 0.4678)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4839, 0.3458, 0.4678)

Conversions

Conversions Part 1

Format	Color
Hex	7A9F4E
RGB	122, 159, 78
RGB Percent	48%, 62%, 31%
CMY	0.5217, 0.3764, 0.6941
CMYK	0.23, 0.00, 0.51, 0.38
HSL	87°, 34%, 46%
HSV	87°, 51%, 62%
XYZ	21.7946, 29.4839, 11.7482
YIQ	138.7030, 3.9490, -33.0350

Conversions

Conversions Part 2

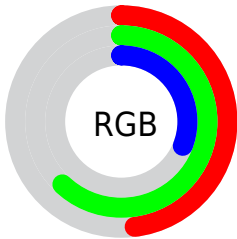
Format	Color
RYB	78, 159, 115
Decimal	8036174
CIELab	61.21, -26.75, 37.90
CIELCh	61, 46.389, 125.213
Yxy	29.4839, 0.3458, 0.4678
Android (android.graphics.Color)	4286226254 (0xFF7A9F4E)
YUV	138.7030, -29.9266, -14.6485
Hunter-Lab	54.2991, -23.3768, 25.1813

Details

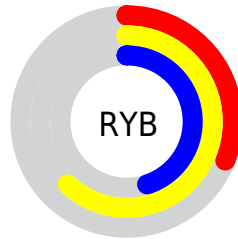
The Yxy color **29.4839, 0.3458, 0.4678** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.5994, 0.2596, 0.1875**, and the grayscale version is **25.8119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9082, 0.3413, 0.4378**, and **11.9437, 0.3502, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **28.7731, 0.3492, 0.4950**, and if you desaturate by 10%, it is **30.2922, 0.3408, 0.4392**.

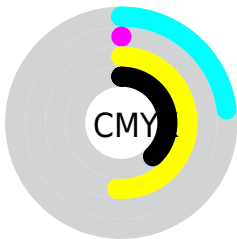
Distribution



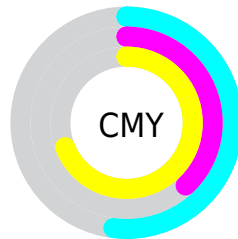
- Red (48%)
- Green (62%)
- Blue (31%)



- Red (31%)
- Yellow (62%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (51%)
- Black (38%)





- Cyan (52%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4839, 0.3458, 0.4678 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 29.4839, 0.3458, 0.4678 by changing the saturation by 10% instead.


 29.4839, 0.3458,
0.4678


 29.4839, 0.3458,
0.4678


299.4913, 0.3312,
0.3903


 19.4472, 0.3480,
0.4896


 58.8450, 0.3414,
0.4378


 11.9938, 0.3494,
0.5188


 78.9382, 0.3394,
0.4270

 6.7395, 0.3481,
0.5590


 103.1524, 0.3376,
0.4182

 3.2997, 0.3548,
0.6452

 131.8719, 0.3360,
0.4108

 1.2901, 0.2897,
0.7103

 165.4812, 0.3346,
0.4045

 0.1335, 0.0000,
1.0000

204.3646, 0.3334,

 0.0000, 0.0000,

0.3991

0.0000

248.9065, 0.3322,
0.3944

■ 29.4839, 0.3458,
0.4678

■ 29.4839, 0.3458,
0.4678

■ 28.7731, 0.3492,
0.4950

■ 30.2922, 0.3408,
0.4392

■ 28.1510, 0.3508,
0.5194

■ 31.1985, 0.3347,
0.4104

■ 27.6133, 0.3501,
0.5398

■ 32.2084, 0.3278,
0.3825

■ 27.1538, 0.3472,
0.5552

■ 33.3256, 0.3207,
0.3559

■ 26.7929, 0.3433,
0.5656

■ 34.5538, 0.3134,
0.3312

■ 35.8965, 0.3063,
0.3086

■ 37.3569, 0.2994,
0.2881

■ 38.9382, 0.2929,
0.2696

■ 40.6434, 0.2868,
0.2531

Harmonies

Analogous

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



29.4839, 0.4125, 0.4509



29.4839, 0.3458, 0.4678



29.4839, 0.2740, 0.4327

Triad

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



29.4839, 0.3458, 0.4678



29.4839, 0.1855, 0.2338



29.4839, 0.4138, 0.2948

Complementary

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



29.4839, 0.3458, 0.4678



11.5994, 0.2596, 0.1875

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.



29.4839, 0.3399, 0.2501



29.4839, 0.3458, 0.4678



29.4839, 0.2123, 0.2151

Square

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



29.4839, 0.3458, 0.4678



29.4839, 0.1864, 0.2819



29.4839, 0.2659, 0.2219



29.4839, 0.4578, 0.3485

Rectangle

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



29.4839, 0.3458, 0.4678



29.4839, 0.2331, 0.3841



29.4839, 0.2659, 0.2219



29.4839, 0.3910, 0.2785

Sweetspot

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



29.4852, 0.3458, 0.4678



58.7815, 0.3238, 0.3672



20.0590, 0.4203, 0.3877



13.1630, 0.3252, 0.3725



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.4852, 0.3458, 0.4678



51.3779, 0.3495, 0.4981



27.1465, 0.3085, 0.4853



7.5694, 0.3194, 0.3516



21.1832, 0.3439, 0.5651



0.4038, 0.3740, 0.5412

Inverse Universe

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



11.5994, 0.2596, 0.1875



15.7204, 0.2443, 0.1559



14.9162, 0.3128, 0.2074



6.5764, 0.3055, 0.3064



3.1115, 0.1963, 0.0855



0.0805, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 29.4839, 0.3458, 0.4678 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 29.4839, 0.3458, 0.4678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

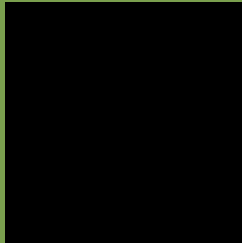
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4839, 0.3458, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 29.4839, 0.3458, 0.4678.



This preview shows how white text looks on a background with the Yxy color 29.4839, 0.3458, 0.4678.

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

29.4839, 0.3458, 0.4678

Protanopia

29.1484, 0.4019, 0.4376

Deuteranopia

29.0840, 0.4187, 0.4092



Tritanopia

29.4897, 0.2864, 0.3098

Trichromacy



Original Color

29.4839, 0.3458, 0.4678

Protanomaly

28.9371, 0.3810, 0.4491

Deuteranomaly

28.8324, 0.3912, 0.4302

Tritanomaly

29.1670, 0.3100, 0.3661

Monochromacy



Original Color

29.4839, 0.3458, 0.4678

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8287, 0.3273, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4839, 0.3458, 0.4678 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(122, 159, 78)` looks like.

```
.text, #text, p{  
  color:rgb(122, 159, 78)  
}
```

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(122, 159, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 159, 78) }
```

Border

The CSS property to change the border of an element to Yxy 29.4839, 0.3458, 0.4678 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(122, 159, 78) }
```

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

```
.border{ border-color:rgb(122, 159, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 159, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 159, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 159, 78);  
box-shadow:4px 4px 4px 4px rgb(122, 159,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4839, 0.3458, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 159, 78) }
```

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

```
.background{ background-color: rgb(122,  
159, 78) }
```

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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