

Converting Colors

$Y_{xy}(29.1687, 0.3275, 0.4790)$

Have a look what the booklet for
Yxy(29.1687, 0.3275, 0.4790)
contains.

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Color

Yxy(28.9829, 0.3274, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	68A14E
RGB	104, 161, 78
RGB Percent	41%, 63%, 31%
CMY	0.5921, 0.3686, 0.6941
CMYK	0.35, 0.00, 0.52, 0.37
HSL	101°, 35%, 47%
HSV	101°, 52%, 63%
XYZ	19.8307, 28.9829, 11.7567
YIQ	134.4950, -7.3290, -37.8970

Conversions

Conversions Part 2

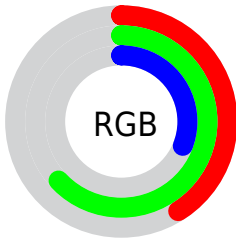
Format	Color
RYB	78, 161, 135
Decimal	6857038
CIELab	60.77, -34.34, 37.12
CIELCh	61, 50.565, 132.770
Yxy	28.9829, 0.3274, 0.4785
Android (android.graphics.Color)	4285047118 (0xFF68A14E)
YUV	134.4950, -27.8520, -26.7441
Hunter-Lab	53.8358, -28.4611, 24.7372

Details

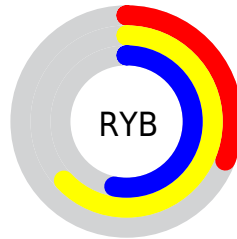
The Yxy color $28.9829, 0.3274, 0.4785$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $13.1716, 0.2834, 0.1949$, and the grayscale version is $24.1410, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.9658, 0.3271, 0.4449$, and $11.7561, 0.3242, 0.5363$ is the 20% darker color. If you saturate the color by 10%, you get $28.1620, 0.3277, 0.5092$, and if you desaturate by 10%, it is $29.9496, 0.3259, 0.4467$.

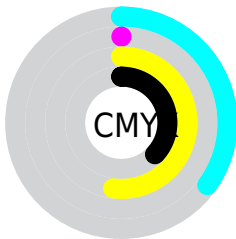
Distribution



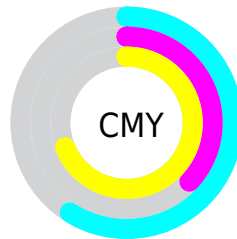
- Red (41%)
- Green (63%)
- Blue (31%)



- Red (31%)
- Yellow (63%)
- Blue (53%)



- Cyan (35%)
- Magenta (0%)
- Yellow (52%)
- Black (37%)




- Cyan (59%)
- Magenta (37%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9829, 0.3274, 0.4785 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 28.9829, 0.3274, 0.4785 by changing the saturation by 10% instead.


 28.9829, 0.3274,
0.4785


 28.9829, 0.3274,
0.4785


297.1343, 0.3231,
0.3937

 19.0679, 0.3266,
0.5030


 58.0499, 0.3270,
0.4452

 11.7193, 0.3239,
0.5364


 77.9707, 0.3264,
0.4334


 6.5529, 0.3167,
0.5835


 101.9955, 0.3259,
0.4238

 3.1841, 0.3136,
0.6864

 130.5088, 0.3252,
0.4158

 1.2286, 0.1935,
0.8065

 163.8949, 0.3247,
0.4090

 0.0849, 0.0000,
1.0000

202.5383, 0.3241,

 0.0000, 0.0000,

0.4031

0.0000

246.8233, 0.3236,
0.3981

■ 28.9829, 0.3274,
0.4785

■ 28.9829, 0.3274,
0.4785

■ 28.1620, 0.3277,
0.5092

■ 29.9496, 0.3259,
0.4467

■ 27.4755, 0.3265,
0.5370

■ 31.0652, 0.3235,
0.4154

■ 26.9164, 0.3238,
0.5600

■ 32.3375, 0.3204,
0.3855

■ 26.4751, 0.3198,
0.5770

■ 33.7724, 0.3169,
0.3578

■ 26.1799, 0.3160,
0.5873

■ 35.3758, 0.3133,
0.3327

■ 37.1530, 0.3096,
0.3101

■ 39.1093, 0.3060,
0.2900

■ 41.2495, 0.3025,
0.2722

■ 43.5785, 0.2991,
0.2565

Harmonies

Analogous

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



28.9829, 0.4032, 0.4703



28.9829, 0.3274, 0.4785



28.9829, 0.2518, 0.4253

Triad

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



28.9829, 0.3274, 0.4785



28.9829, 0.1800, 0.2176



28.9829, 0.4399, 0.3051

Complementary

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



28.9829, 0.3274, 0.4785



13.1716, 0.2834, 0.1949

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.



28.9829, 0.3638, 0.2543



28.9829, 0.3274, 0.4785



28.9829, 0.2158, 0.2055

Square

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



28.9829, 0.3274, 0.4785



28.9829, 0.1732, 0.2604



28.9829, 0.2800, 0.2191



28.9829, 0.4755, 0.3637

Rectangle

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



28.9829, 0.3274, 0.4785



28.9829, 0.2119, 0.3665



28.9829, 0.2800, 0.2191



28.9829, 0.4176, 0.2869

Sweetspot

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



28.9841, 0.3274, 0.4785



59.4903, 0.3183, 0.3679



25.3763, 0.4057, 0.4168



12.9356, 0.3190, 0.3733



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.



28.9841, 0.3274, 0.4785



50.2214, 0.3276, 0.5139



27.9037, 0.2948, 0.4603



7.9978, 0.3161, 0.3519



20.9287, 0.3165, 0.5869



0.4639, 0.3453, 0.5641

Inverse Universe

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



13.1716, 0.2834, 0.1949



18.6419, 0.2741, 0.1670



15.0947, 0.3397, 0.2269



7.0903, 0.3090, 0.3065



4.7522, 0.2444, 0.1120



0.1232, 0.2735, 0.1280

Previews

White Background



This preview shows how the Yxy color 28.9829, 0.3274, 0.4785 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 28.9829, 0.3274, 0.4785 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 28.9829, 0.3274, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 28.9829, 0.3274, 0.4785.



This preview shows how white text looks on a background with the Yxy color 28.9829, 0.3274, 0.4785.

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

28.9829, 0.3274, 0.4785

Protanopia

28.6159, 0.4013, 0.4386

Deuteranopia

28.5703, 0.4163, 0.4074



Tritanopia

28.9884, 0.2709, 0.3092

Trichromacy



Original Color

28.9829, 0.3274, 0.4785

Protanomaly

28.2167, 0.3719, 0.4533

Deuteranomaly

28.0559, 0.3811, 0.4325

Tritanomaly

28.6469, 0.2921, 0.3676

Monochromacy



Original Color

28.9829, 0.3274, 0.4785

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4465, 0.3208, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9829, 0.3274, 0.4785 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(104, 161, 78)` looks like.

```
.text, #text, p{  
    color:rgb(104, 161, 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(104, 161, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 161, 78) }
```

Border

The CSS property to change the border of an element to Yxy 28.9829, 0.3274, 0.4785 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(104, 161, 78) }
```

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

```
.border{ border-color:rgb(104, 161, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 161, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 161, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 161, 78);  
box-shadow:4px 4px 4px 4px rgb(104, 161,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9829, 0.3274, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 161, 78) }
```

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

```
.background{ background-color: rgb(104,  
161, 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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