

Converting Colors

$Y_{xy}(29.1795, 0.3045, 0.3830)$

Have a look what the booklet for
Yxy(29.1795, 0.3045, 0.3830)
contains.

Yxy(29.1795, 0.3045, 0.3830)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.1795, 0.3045, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	779C7D
RGB	119, 156, 125
RGB Percent	47%, 61%, 49%
CMY	0.5333, 0.3882, 0.5098
CMYK	0.24, 0.00, 0.20, 0.39
HSL	130°, 16%, 54%
HSV	130°, 24%, 61%
XYZ	23.1988, 29.1795, 23.8083
YIQ	141.4030, -12.1010, -17.4850

Conversions

Conversions Part 2

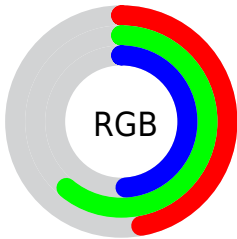
Format	Color
RYB	119, 151, 156
Decimal	7838845
CIELab	60.94, -19.16, 12.16
CIElCh	61, 22.698, 147.595
Yxy	29.1795, 0.3045, 0.3830
Android (android.graphics.Color)	4286028925 (0xFF779C7D)
YUV	141.4030, -8.0867, -19.6474
Hunter-Lab	54.0181, -17.8721, 11.6807

Details

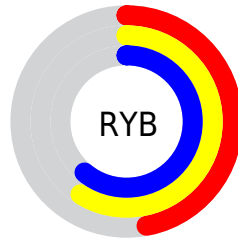
The Yxy color **29.1795, 0.3045, 0.3830** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4681, 0.3222, 0.2804**, and the grayscale version is **26.8398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5735, 0.3064, 0.3712**, and **11.9270, 0.3013, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **27.8533, 0.3012, 0.4102**, and if you desaturate by 10%, it is **30.7333, 0.3080, 0.3584**.

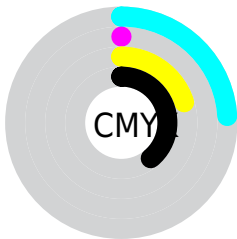
Distribution



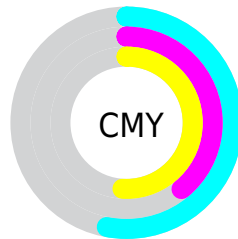
- Red (47%)
- Green (61%)
- Blue (49%)



- Red (47%)
- Yellow (59%)
- Blue (61%)



- Cyan (24%)
- Magenta (0%)
- Yellow (20%)
- Black (39%)





- Cyan (53%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1795, 0.3045, 0.3830 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 29.1795, 0.3045, 0.3830 by changing the saturation by 10% instead.


 29.1795, 0.3045,
0.3830

 29.1795, 0.3045,
0.3830

298.0609, 0.3094,
0.3530

 19.2167, 0.3029,
0.3917


 58.3622, 0.3065,
0.3713

 11.8269, 0.3007,
0.4037


 78.3508, 0.3072,
0.3671

 6.6259, 0.2971,
0.4214


 102.4501, 0.3077,
0.3637

 3.2293, 0.2910,
0.4498

131.0445, 0.3082,
0.3608

 1.2526, 0.2842,
0.5210

164.5183, 0.3086,
0.3584

 0.1040, 0.0000,
1.0000

203.2561, 0.3089,

 0.0000, 0.0000,

0.3564

0.0000

247.6422, 0.3092,
0.3546

■ 29.1795, 0.3045,
0.3830

■ 29.1795, 0.3045,
0.3830

■ 27.8533, 0.3012,
0.4102

■ 30.7333, 0.3080,
0.3584

■ 26.7406, 0.2981,
0.4395

■ 32.5210, 0.3115,
0.3365

■ 25.8312, 0.2956,
0.4700

■ 34.5530, 0.3148,
0.3172

■ 25.1126, 0.2939,
0.5005

■ 36.8380, 0.3180,
0.3003

■ 24.5710, 0.2931,
0.5293

■ 39.3844, 0.3210,
0.2857

■ 24.1906, 0.2935,
0.5545

■ 42.2001, 0.3239,
0.2730

■ 23.9528, 0.2948,
0.5745

■ 45.2928, 0.3265,
0.2621

■ 23.8483, 0.2956,
0.5843

■ 48.6697, 0.3289,
0.2526

■ 51.4905, 0.3273,
0.2433

Harmonies

Analogous

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



29.1795, 0.3414, 0.3956



29.1795, 0.3045, 0.3830



29.1795, 0.2712, 0.3529

Triad

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



29.1795, 0.3045, 0.3830



29.1795, 0.2553, 0.2710



29.1795, 0.3801, 0.3351

Complementary

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



29.1795, 0.3045, 0.3830



22.4681, 0.3222, 0.2804

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.



29.1795, 0.3543, 0.3057



29.1795, 0.3045, 0.3830



29.1795, 0.2816, 0.2698

Square

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



29.1795, 0.3045, 0.3830



29.1795, 0.2440, 0.2872



29.1795, 0.3176, 0.2824



29.1795, 0.3864, 0.3649

Rectangle

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



29.1795, 0.3045, 0.3830



29.1795, 0.2551, 0.3286



29.1795, 0.3176, 0.2824



29.1795, 0.3733, 0.3250

Sweetspot

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



29.1807, 0.3045, 0.3830



57.9038, 0.3103, 0.3437



31.6366, 0.3416, 0.3876



12.7031, 0.3101, 0.3448



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.1807, 0.3045, 0.3830



51.7817, 0.3029, 0.3959



29.6851, 0.2891, 0.3509



7.4177, 0.3095, 0.3483



19.6471, 0.2954, 0.5834



0.3556, 0.2799, 0.5277

Inverse Universe

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



22.4681, 0.3222, 0.2804



37.5972, 0.3245, 0.2703



21.9302, 0.3439, 0.3082



6.7362, 0.3161, 0.3104



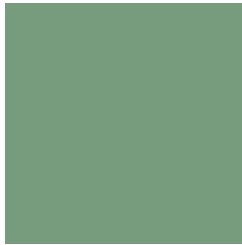
7.1712, 0.3655, 0.1787



0.1327, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 29.1795, 0.3045, 0.3830 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 29.1795, 0.3045, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

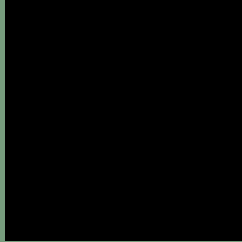
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1795, 0.3045, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 29.1795, 0.3045, 0.3830.



This preview shows how white text looks on a background with the Yxy color 29.1795, 0.3045, 0.3830.

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

29.1795, 0.3045, 0.3830

Protanopia

28.8824, 0.3486, 0.3704

Deuteranopia

28.8238, 0.3553, 0.3489



Tritanopia

29.2132, 0.2784, 0.3095

Trichromacy



Original Color

29.1795, 0.3045, 0.3830

Protanomaly

28.9686, 0.3313, 0.3752

Deuteranomaly

28.5741, 0.3359, 0.3597

Tritanomaly

29.1633, 0.2875, 0.3356

Monochromacy



Original Color

29.1795, 0.3045, 0.3830

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2936, 0.3098, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1795, 0.3045, 0.3830 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(119, 156, 125)` looks like.

```
.text, #text, p{  
    color:rgb(119, 156, 125)  
}
```

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(119, 156, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 156, 125) }
```

Border

The CSS property to change the border of an element to Yxy 29.1795, 0.3045, 0.3830 is called "border". The border property can be set on classes, ids or directly on the HTML element.

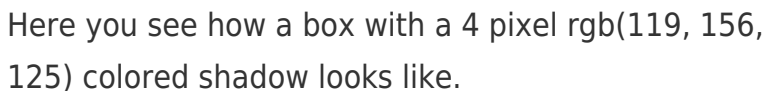
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 156, 125) }
```

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

```
.border{ border-color:rgb(119, 156, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 156, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 156, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 156, 125); box-shadow:4px 4px 4px 4px rgb(119, 156, 125) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1795, 0.3045, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 156, 125) }
```

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

```
.background{ background-color: rgb(119,  
156, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor