

Converting Colors

$Y_{xy}(27.0599, 0.3219, 0.4074)$

Have a look what the booklet for
Yxy(27.0599, 0.3219, 0.4074)
contains.

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Color

Yxy(27.1878, 0.3219, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	78976B
RGB	120, 151, 107
RGB Percent	47%, 59%, 42%
CMY	0.5294, 0.4078, 0.5803
CMYK	0.21, 0.00, 0.29, 0.41
HSL	102°, 17%, 51%
HSV	102°, 29%, 59%
XYZ	21.4662, 27.1878, 18.0318
YIQ	136.7150, -4.3520, -20.2560

Conversions

Conversions Part 2

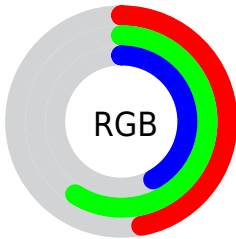
Format	Color
R_{YB}	107, 151, 138
Decimal	7903083
CIE _{Lab}	59.15, -19.42, 19.73
CIE _{LCh}	59, 27.688, 134.541
Yxy	27.1878, 0.3219, 0.4077
Android (android.graphics.Color)	4286093163 (0xFF78976B)
YUV	136.7150, -14.6495, -14.6591
Hunter-Lab	52.1419, -17.7622, 15.9955

Details

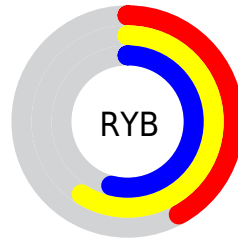
The Yxy color $27.1878, 0.3219, 0.4077$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1605, 0.2998, 0.2552$, and the grayscale version is $24.9611, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0501, 0.3205, 0.3893$, and $10.7322, 0.3227, 0.4399$ is the 20% darker color. If you saturate the color by 10%, you get $26.1789, 0.3242, 0.4388$, and if you desaturate by 10%, it is $28.3392, 0.3190, 0.3784$.

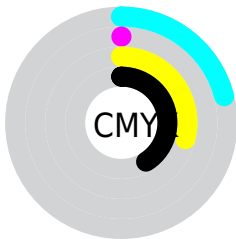
Distribution



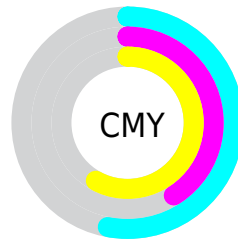
- Red (47%)
- Green (59%)
- Blue (42%)



- Red (42%)
- Yellow (59%)
- Blue (54%)



- Cyan (21%)
- Magenta (0%)
- Yellow (29%)
- Black (41%)




- Cyan (53%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1878, 0.3219, 0.4077 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 27.1878, 0.3219, 0.4077 by changing the saturation by 10% instead.


 27.1878, 0.3219,
0.4077

 27.1878, 0.3219,
0.4077


288.5653, 0.3178,
0.3633


 17.7143, 0.3226,
0.4208


 55.1851, 0.3206,
0.3902

 10.7451, 0.3231,
0.4390


 74.4777, 0.3201,
0.3840

 5.8957, 0.3231,
0.4659

 97.8121, 0.3196,
0.3790

 2.7818, 0.3207,
0.5093

 125.5727, 0.3191,
0.3748

 1.0189, 0.3240,
0.6760

158.1439, 0.3187,
0.3713

 0.0000, 0.0000,
0.0000

195.9102, 0.3184,

0.3682

239.2558, 0.3181,
0.3656

■ 27.1878, 0.3219,
0.4077

■ 27.1878, 0.3219,
0.4077

■ 26.1789, 0.3242,
0.4388

■ 28.3392, 0.3190,
0.3784

■ 25.3034, 0.3257,
0.4706

■ 29.6349, 0.3158,
0.3514

■ 24.5564, 0.3261,
0.5019

■ 31.0811, 0.3124,
0.3270

■ 23.9313, 0.3252,
0.5307

■ 32.6825, 0.3090,
0.3051

■ 23.4209, 0.3229,
0.5553

■ 34.4438, 0.3057,
0.2857

■ 23.0170, 0.3193,
0.5741

■ 36.3693, 0.3025,
0.2686

■ 22.7058, 0.3150,
0.5873

■ 38.4632, 0.2995,
0.2536

■ 22.6818, 0.3146,
0.5884

■ 40.7294, 0.2966,
0.2403

■ 43.1720, 0.2939,
0.2286

Harmonies

Analogous

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



27.1878, 0.3659, 0.4109



27.1878, 0.3219, 0.4077



27.1878, 0.2774, 0.3777

Triad

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



27.1878, 0.3219, 0.4077



27.1878, 0.2336, 0.2634



27.1878, 0.3855, 0.3196

Complementary

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



27.1878, 0.3219, 0.4077



18.1605, 0.2998, 0.2552

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.



27.1878, 0.3453, 0.2865



27.1878, 0.3219, 0.4077



27.1878, 0.2580, 0.2547

Square

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



27.1878, 0.3219, 0.4077



27.1878, 0.2286, 0.2905



27.1878, 0.2980, 0.2633



27.1878, 0.4048, 0.3566

Rectangle

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



27.1878, 0.3219, 0.4077



27.1878, 0.2533, 0.3481



27.1878, 0.2980, 0.2633



27.1878, 0.3739, 0.3078

Sweetspot

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



27.1890, 0.3219, 0.4077



53.0564, 0.3158, 0.3515



25.7639, 0.3608, 0.3798



11.9840, 0.3163, 0.3551



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.1890, 0.3219, 0.4077



47.4727, 0.3235, 0.4280



26.5183, 0.3012, 0.3940



7.0095, 0.3158, 0.3517



19.3082, 0.3150, 0.5881



0.3058, 0.3461, 0.5634

Inverse Universe

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



18.1605, 0.2998, 0.2552



28.5826, 0.2960, 0.2377



19.0588, 0.3269, 0.2718



6.2321, 0.3093, 0.3068



4.5472, 0.2490, 0.1145



0.0864, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 27.1878, 0.3219, 0.4077 looks on a white background.

Color Contrast Check

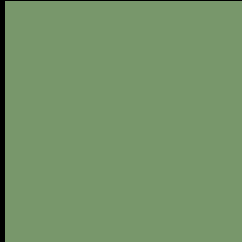
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1878, 0.3219, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

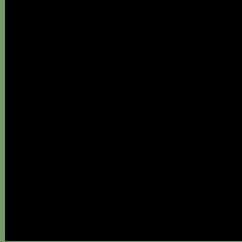
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1878, 0.3219, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 27.1878, 0.3219, 0.4077.



This preview shows how white text looks on a background with the Yxy color 27.1878, 0.3219, 0.4077.

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

27.1878, 0.3219, 0.4077

Protanopia

27.0976, 0.3656, 0.3922

Deuteranopia

26.8411, 0.3762, 0.3693



Tritanopia

27.2403, 0.2855, 0.3108

Trichromacy



Original Color

27.1878, 0.3219, 0.4077

Protanomaly

26.9130, 0.3494, 0.3983

Deuteranomaly

26.5434, 0.3550, 0.3818

Tritanomaly

27.0624, 0.2988, 0.3444

Monochromacy



Original Color

27.1878, 0.3219, 0.4077

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.6777, 0.3168, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1878, 0.3219, 0.4077 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(120, 151, 107)` looks like.

```
.text, #text, p{  
    color:rgb(120, 151, 107)  
}
```

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(120, 151, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 151, 107) }
```

Border

The CSS property to change the border of an element to Yxy 27.1878, 0.3219, 0.4077 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(120, 151, 107) }
```

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

```
.border{ border-color:rgb(120, 151, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 151, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 151, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 151, 107);  
box-shadow:4px 4px 4px 4px rgb(120, 151,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1878, 0.3219, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 151, 107) }
```

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

```
.background{ background-color: rgb(120,  
151, 107) }
```

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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