

Converting Colors

$Y_{xy}(29.8377, 0.3227, 0.4273)$

Have a look what the booklet for
Yxy(29.8377, 0.3227, 0.4273)
contains.

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Color

$\text{Yxy}(29.6975, 0.3229, 0.4271)$

Conversions

Conversions Part 1

Format	Color
Hex	779F67
RGB	119, 159, 103
RGB Percent	47%, 62%, 40%
CMY	0.5334, 0.3764, 0.5960
CMYK	0.25, 0.00, 0.35, 0.38
HSL	103°, 23%, 51%
HSV	103°, 35%, 62%
XYZ	22.4522, 29.6975, 17.3832
YIQ	140.6560, -5.8640, -25.8960

Conversions

Conversions Part 2

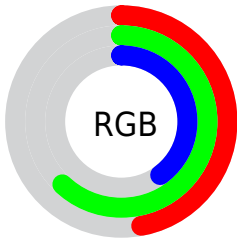
Format	Color
RYB	103, 159, 143
Decimal	7839591
CIELab	61.39, -24.50, 24.94
CIElCh	61, 34.961, 134.497
Yxy	29.6975, 0.3229, 0.4271
Android (android.graphics.Color)	4286029671 (0xFF779F67)
YUV	140.6560, -18.5644, -18.9923
Hunter-Lab	54.4954, -21.8248, 19.2342

Details

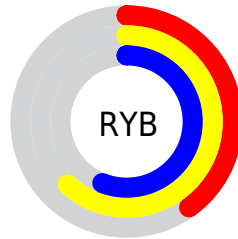
The Yxy color $29.6975, 0.3229, 0.4271$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.0494, 0.2969, 0.2388$, and the grayscale version is $26.5693, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.2303, 0.3214, 0.4052$, and $12.0564, 0.3237, 0.4645$ is the 20% darker color. If you saturate the color by 10%, you get $28.6526, 0.3246, 0.4591$, and if you desaturate by 10%, it is $30.9018, 0.3205, 0.3964$.

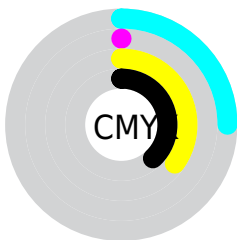
Distribution



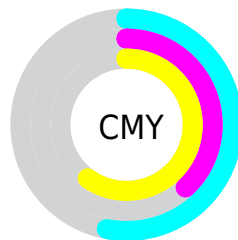
- Red (47%)
- Green (62%)
- Blue (40%)



- Red (40%)
- Yellow (62%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (38%)




- Cyan (53%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6975, 0.3229, 0.4271 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 29.6975, 0.3229, 0.4271 by changing the saturation by 10% instead.


 29.6975, 0.3229,
0.4271


 29.6975, 0.3229,
0.4271


300.4919, 0.3189,
0.3721

 19.6091, 0.3233,
0.4430


 59.1835, 0.3218,
0.4056

 12.1112, 0.3232,
0.4650


 79.3498, 0.3213,
0.3980

 6.8195, 0.3218,
0.4968


 103.6443, 0.3208,
0.3917

 3.3495, 0.3169,
0.5468

 132.4512, 0.3203,
0.3865

 1.3168, 0.3132,
0.6868

166.1551, 0.3199,
0.3821

 0.1541, 0.0000,
1.0000

205.1402, 0.3195,

 0.0000, 0.0000,

0.3783

0.0000

249.7910, 0.3192,
0.3750

■ 29.6975, 0.3229,
0.4271

■ 29.6975, 0.3229,
0.4271

■ 28.6526, 0.3246,
0.4591

■ 30.9018, 0.3205,
0.3964

■ 27.7566, 0.3253,
0.4910

■ 32.2682, 0.3176,
0.3677

■ 27.0033, 0.3249,
0.5212


■ 33.8039, 0.3144,
0.3416


■ 26.3846, 0.3230,
0.5477

■ 35.5146, 0.3112,
0.3181

■ 25.8916, 0.3198,
0.5689


■ 37.4058, 0.3079,
0.2972


 25.5136, 0.3155,
0.5835

 39.4826, 0.3047,
0.2787

 25.3645, 0.3135,
0.5892

 41.7501, 0.3017,
0.2624

 44.2130, 0.2989,
0.2481

 46.8759, 0.2962,
0.2355

Harmonies

Analogous

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



29.6975, 0.3766, 0.4291



29.6975, 0.3229, 0.4271



29.6975, 0.2691, 0.3897

Triad

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



29.6975, 0.3229, 0.4271



29.6975, 0.2175, 0.2492



29.6975, 0.4021, 0.3166

Complementary

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



29.6975, 0.3229, 0.4271



18.0494, 0.2969, 0.2388

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.



29.6975, 0.3521, 0.2776



29.6975, 0.3229, 0.4271



29.6975, 0.2462, 0.2397

Square

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



29.6975, 0.3229, 0.4271



29.6975, 0.2116, 0.2810



29.6975, 0.2942, 0.2502



29.6975, 0.4256, 0.3607

Rectangle

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



29.6975, 0.3229, 0.4271



29.6975, 0.2404, 0.3521



29.6975, 0.2942, 0.2502



29.6975, 0.3876, 0.3027

Sweetspot

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



29.6988, 0.3229, 0.4271



58.8483, 0.3163, 0.3570



27.7593, 0.3725, 0.3909



13.1904, 0.3167, 0.3603



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.



29.6988, 0.3229, 0.4271



51.7367, 0.3243, 0.4513



28.9028, 0.2989, 0.4106



7.4881, 0.3157, 0.3518



20.0506, 0.3141, 0.5888



0.3783, 0.3434, 0.5656

Inverse Universe

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



18.0494, 0.2969, 0.2388



27.7900, 0.2923, 0.2187



19.2064, 0.3306, 0.2594



6.6595, 0.3094, 0.3066



4.8066, 0.2512, 0.1158



0.1061, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 29.6975, 0.3229, 0.4271 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 29.6975, 0.3229, 0.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

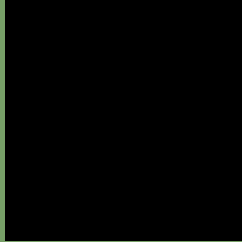
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6975, 0.3229, 0.4271

Background



This preview shows how black text looks on a background with the Yxy color 29.6975, 0.3229, 0.4271.



This preview shows how white text looks on a background with the Yxy color 29.6975, 0.3229, 0.4271.

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

29.6975, 0.3229, 0.4271

Protanopia

29.5352, 0.3757, 0.4066

Deuteranopia

29.5215, 0.3869, 0.3807



Tritanopia

29.8039, 0.2804, 0.3097

Trichromacy



Original Color

29.6975, 0.3229, 0.4271

Protanomaly

29.3963, 0.3550, 0.4140

Deuteranomaly

29.1890, 0.3621, 0.3957

Tritanomaly

29.7557, 0.2954, 0.3508

Monochromacy



Original Color

29.6975, 0.3229, 0.4271

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.6987, 0.3172, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6975, 0.3229, 0.4271 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, 159, 103)` looks like.

```
.text, #text, p{  
    color:rgb(119, 159, 103)  
}
```

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, 159, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 159, 103) }
```

Border

The CSS property to change the border of an element to Yxy 29.6975, 0.3229, 0.4271 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, 159, 103) }
```

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

```
.border{ border-color:rgb(119, 159, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 159, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 159, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 159, 103);  
box-shadow:4px 4px 4px 4px rgb(119, 159,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6975, 0.3229, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 159, 103) }
```

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

```
.background{ background-color: rgb(119,  
159, 103) }
```

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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