

Converting Colors

$Y_{xy}(28.8751, 0.3143, 0.4000)$

Have a look what the booklet for
Yxy(28.8751, 0.3143, 0.4000)
contains.

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Color

Yxy(29.0078, 0.3141, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	789C73
RGB	120, 156, 115
RGB Percent	47%, 61%, 45%
CMY	0.5295, 0.3882, 0.5490
CMYK	0.23, 0.00, 0.26, 0.39
HSL	113°, 17%, 53%
HSV	113°, 26%, 61%
XYZ	22.7272, 29.0078, 20.6217
YIQ	140.5620, -8.2950, -20.3830

Conversions

Conversions Part 2

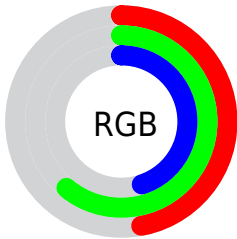
Format	Color
RYB	115, 156, 151
Decimal	7904371
CIELab	60.79, -20.64, 17.54
CIElCh	61, 27.088, 139.649
Yxy	29.0078, 0.3141, 0.4009
Android (android.graphics.Color)	4286094451 (0xFF789C73)
YUV	140.5620, -12.6021, -18.0329
Hunter-Lab	53.8589, -18.9301, 15.0001

Details

The Yxy color $29.0078, 0.3141, 0.4009$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $21.2446, 0.3097, 0.2643$, and the grayscale version is $26.5079, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.2628, 0.3144, 0.3857$, and $11.8105, 0.3119, 0.4289$ is the 20% darker color. If you saturate the color by 10%, you get $27.7691, 0.3141, 0.4331$, and if you desaturate by 10%, it is $30.4501, 0.3138, 0.3711$.

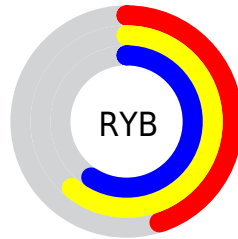
Distribution



Red (47%)

Green (61%)

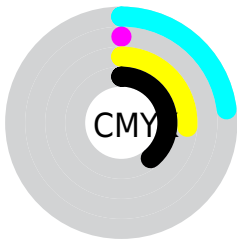
Blue (45%)



Red (45%)

Yellow (61%)

Blue (59%)

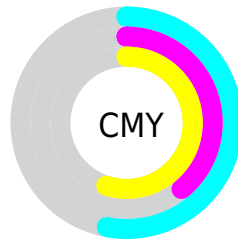


Cyan (23%)

Magenta (0%)

Yellow (26%)

Black (39%)



Cyan (53%)

Magenta (39%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0078, 0.3141, 0.4009 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 29.0078, 0.3141, 0.4009 by changing the saturation by 10% instead.

 29.0078, 0.3141,
0.4009


 29.0078, 0.3141,
0.4009


297.2518, 0.3141,
0.3607


 19.0867, 0.3137,
0.4126


 58.0895, 0.3144,
0.3851

 11.7330, 0.3129,
0.4288


 78.0189, 0.3144,
0.3796

 6.5621, 0.3112,
0.4526


 102.0531, 0.3144,
0.3750

 3.1898, 0.3069,
0.4907

130.5767, 0.3143,
0.3712

 1.2316, 0.3259,
0.6358

163.9740, 0.3143,
0.3680

 0.0873, 0.0000,
1.0000

202.6293, 0.3142,

 0.0000, 0.0000,

0.3652

0.0000

246.9271, 0.3142,
0.3628

■ 29.0078, 0.3141,
0.4009

■ 29.0078, 0.3141,
0.4009

■ 27.7691, 0.3141,
0.4331

■ 30.4501, 0.3138,
0.3711

■ 26.7211, 0.3137,
0.4669

■ 32.1006, 0.3132,
0.3443

■ 25.8556, 0.3127,
0.5006


■ 33.9685, 0.3124,
0.3205


■ 25.1619, 0.3112,
0.5322

■ 36.0613, 0.3116,
0.2996


■ 24.6285, 0.3092,
0.5594


■ 38.3862, 0.3107,
0.2814


 24.2421, 0.3067,
0.5800


 40.9501, 0.3098,
0.2656

 23.9866, 0.3042,
0.5932

 43.7595, 0.3089,
0.2519

 23.9171, 0.3036,
0.5972

 46.8206, 0.3081,
0.2400

 50.1132, 0.3076,
0.2300

Harmonies

Analogous

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



29.0078, 0.3572, 0.4087



29.0078, 0.3141, 0.4009



29.0078, 0.2725, 0.3687

Triad

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



29.0078, 0.3141, 0.4009



29.0078, 0.2395, 0.2634



29.0078, 0.3872, 0.3261

Complementary

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



29.0078, 0.3141, 0.4009



21.2446, 0.3097, 0.2643

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.



29.0078, 0.3514, 0.2930



29.0078, 0.3141, 0.4009



29.0078, 0.2659, 0.2578

Square

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



29.0078, 0.3141, 0.4009



29.0078, 0.2314, 0.2866



29.0078, 0.3063, 0.2687



29.0078, 0.4014, 0.3617

Rectangle

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



29.0078, 0.3141, 0.4009



29.0078, 0.2509, 0.3398



29.0078, 0.3063, 0.2687



29.0078, 0.3772, 0.3144

Sweetspot

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



29.0090, 0.3141, 0.4009



57.7065, 0.3133, 0.3491



30.2918, 0.3533, 0.3849



12.6012, 0.3134, 0.3528



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.



29.0090, 0.3141, 0.4009



51.2124, 0.3142, 0.4211



29.0370, 0.2965, 0.3744



7.4377, 0.3134, 0.3520



19.7073, 0.3038, 0.5970



0.3622, 0.3199, 0.5842

Inverse Universe

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



21.2446, 0.3097, 0.2643



34.4890, 0.3087, 0.2483



21.2532, 0.3336, 0.2876



6.7137, 0.3119, 0.3068



6.3712, 0.2911, 0.1377



0.1243, 0.3039, 0.1448

Previews

White Background



This preview shows how the Yxy color 29.0078, 0.3141, 0.4009 looks on a white background.

Color Contrast Check

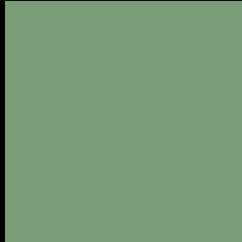
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0078, 0.3141, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

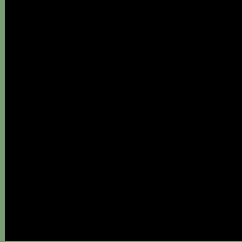
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0078, 0.3141, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 29.0078, 0.3141, 0.4009.



This preview shows how white text looks on a background with the Yxy color 29.0078, 0.3141, 0.4009.

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

29.0078, 0.3141, 0.4009

Protanopia

28.7515, 0.3601, 0.3862

Deuteranopia

28.6102, 0.3701, 0.3624



Tritanopia

29.0105, 0.2809, 0.3095

Trichromacy



Original Color

29.0078, 0.3141, 0.4009

Protanomaly

28.8222, 0.3421, 0.3919

Deuteranomaly

28.5175, 0.3484, 0.3757

Tritanomaly

28.8608, 0.2927, 0.3407

Monochromacy



Original Color

29.0078, 0.3141, 0.4009

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.2103, 0.3126, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0078, 0.3141, 0.4009 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, 156, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 115)  
}
```

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, 156, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 115) }
```

Border

The CSS property to change the border of an element to Yxy 29.0078, 0.3141, 0.4009 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, 156, 115) }
```

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

```
.border{ border-color:rgb(120, 156, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 115);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0078, 0.3141, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 115) }
```

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

```
.background{ background-color: rgb(120,  
156, 115) }
```

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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