

Converting Colors

$Yxy(28.8906, 0.3030, 0.3967)$

Have a look what the booklet for
Yxy(28.8906, 0.3030, 0.3967)
contains.

Yxy(28.8906, 0.3030, 0.3967)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Yxy(28.8906, 0.3030, 0.3967)$

Conversions

Conversions Part 1

Format	Color
Hex	709D77
RGB	112, 157, 119
RGB Percent	44%, 62%, 47%
CMY	0.5609, 0.3843, 0.5333
CMYK	0.29, 0.00, 0.24, 0.38
HSL	129°, 19%, 53%
HSV	129°, 29%, 62%
XYZ	22.0667, 28.8906, 21.8700
YIQ	139.2130, -14.6220, -21.3580

Conversions

Conversions Part 2

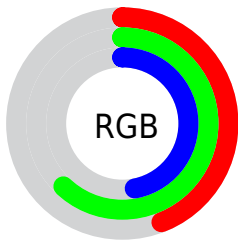
Format	Color
RYB	112, 151, 157
Decimal	7380343
CIELab	60.68, -23.23, 15.09
CIElCh	61, 27.703, 147.001
Yxy	28.8906, 0.3030, 0.3967
Android (android.graphics.Color)	4285570423 (0xFF709D77)
YUV	139.2130, -9.9650, -23.8658
Hunter-Lab	53.7500, -20.7805, 13.5008

Details

The Yxy color $28.8906, 0.3030, 0.3967$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.9520, 0.3243, 0.2696$, and the grayscale version is $25.9472, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.0266, 0.3059, 0.3825$, and $11.5695, 0.2982, 0.4236$ is the 20% darker color. If you saturate the color by 10%, you get $27.6540, 0.2998, 0.4252$, and if you desaturate by 10%, it is $30.3536, 0.3064, 0.3706$.

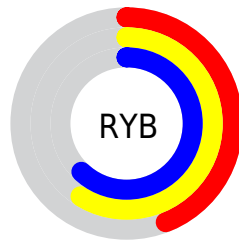
Distribution



Red (44%)

Green (62%)

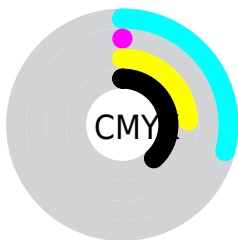
Blue (47%)



Red (44%)

Yellow (59%)

Blue (62%)

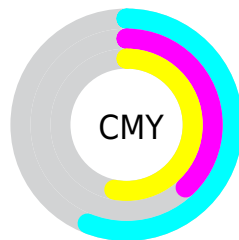


Cyan (29%)

Magenta (0%)

Yellow (24%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8906, 0.3030, 0.3967 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 28.8906, 0.3030, 0.3967 by changing the saturation by 10% instead.


 28.8906, 0.3030,
0.3967


 28.8906, 0.3030,
0.3967


296.6984, 0.3090,
0.3588


 18.9981, 0.3010,
0.4078


 57.9032, 0.3055,
0.3818


 11.6689, 0.2981,
0.4232


 77.7921, 0.3063,
0.3765

 6.5186, 0.2934,
0.4460


 101.7819, 0.3070,
0.3722

 3.1629, 0.2849,
0.4829

 130.2570, 0.3075,
0.3686

 1.2174, 0.2775,
0.6064

163.6018, 0.3080,
0.3656

 0.0758, 0.0000,
1.0000

202.2008, 0.3084,

 0.0000, 0.0000,

0.3630

0.0000

246.4381, 0.3087,
0.3607

■ 28.8906, 0.3030,
0.3967

■ 28.8906, 0.3030,
0.3967

■ 27.6540, 0.2998,
0.4252

■ 30.3536, 0.3064,
0.3706

■ 26.6290, 0.2971,
0.4554

■ 32.0497, 0.3098,
0.3472

■ 25.8046, 0.2950,
0.4863

■ 33.9898, 0.3132,
0.3264

■ 25.1676, 0.2937,
0.5163

■ 36.1831, 0.3164,
0.3083

■ 24.7028, 0.2935,
0.5435

■ 38.6383, 0.3194,
0.2925

■ 24.3931, 0.2943,
0.5662

■ 41.3636, 0.3223,
0.2788

■ 24.2059, 0.2958,
0.5833

■ 44.3670, 0.3249,
0.2670

■ 24.1849, 0.2959,
0.5851

■ 47.6561, 0.3273,
0.2567

■ 51.2381, 0.3296,
0.2478

Harmonies

Analogous

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



28.8906, 0.3479, 0.4112



28.8906, 0.3030, 0.3967



28.8906, 0.2626, 0.3591

Triad

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



28.8906, 0.3030, 0.3967



28.8906, 0.2428, 0.2588



28.8906, 0.3950, 0.3348

Complementary

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



28.8906, 0.3030, 0.3967



20.9520, 0.3243, 0.2696

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.



28.8906, 0.3627, 0.2999



28.8906, 0.3030, 0.3967



28.8906, 0.2738, 0.2576

Square

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



28.8906, 0.3030, 0.3967



28.8906, 0.2298, 0.2781



28.8906, 0.3174, 0.2724



28.8906, 0.4030, 0.3709

Rectangle

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



28.8906, 0.3030, 0.3967



28.8906, 0.2432, 0.3288



28.8906, 0.3174, 0.2724



28.8906, 0.3866, 0.3227

Sweetspot

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



28.8918, 0.3030, 0.3967



57.2327, 0.3096, 0.3482



31.7939, 0.3477, 0.4004



12.4978, 0.3092, 0.3513



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.



28.8918, 0.3030, 0.3967



50.3662, 0.3011, 0.4135



29.4900, 0.2846, 0.3562



7.4171, 0.3096, 0.3484



19.6441, 0.2956, 0.5842



0.3554, 0.2805, 0.5297

Inverse Universe

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



20.9520, 0.3243, 0.2696



33.9222, 0.3272, 0.2572



20.3026, 0.3525, 0.3035



6.7367, 0.3160, 0.3103



7.1894, 0.3639, 0.1778



0.1329, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 28.8906, 0.3030, 0.3967 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 28.8906, 0.3030, 0.3967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

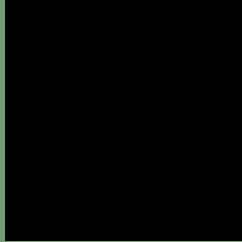
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8906, 0.3030, 0.3967

Background



This preview shows how black text looks on a background with the Yxy color 28.8906, 0.3030, 0.3967.



This preview shows how white text looks on a background with the Yxy color 28.8906, 0.3030, 0.3967.

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

28.8906, 0.3030, 0.3967

Protanopia

28.7412, 0.3548, 0.3800

Deuteranopia

28.5111, 0.3623, 0.3550



Tritanopia

28.7706, 0.2732, 0.3092

Trichromacy



Original Color

28.8906, 0.3030, 0.3967

Protanomaly

28.5626, 0.3339, 0.3860

Deuteranomaly

28.2588, 0.3388, 0.3681

Tritanomaly

28.6710, 0.2838, 0.3391

Monochromacy



Original Color

28.8906, 0.3030, 0.3967

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8908, 0.3085, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8906, 0.3030, 0.3967 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(112, 157, 119)` looks like.

```
.text, #text, p{  
    color:rgb(112, 157, 119)  
}
```

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(112, 157, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 157, 119) }
```

Border

The CSS property to change the border of an element to Yxy 28.8906, 0.3030, 0.3967 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(112, 157, 119) }
```

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

```
.border{ border-color:rgb(112, 157, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 157, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 157, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 157, 119);  
box-shadow:4px 4px 4px 4px rgb(112, 157,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8906, 0.3030, 0.3967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 157, 119) }
```

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

```
.background{ background-color: rgb(112,  
157, 119) }
```

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