

Converting Colors

$Y_{xy}(28.6268, 0.3005, 0.3896)$

Have a look what the booklet for
 $Y_{xy}(28.6268, 0.3005, 0.3896)$
contains.

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Color

Yxy(28.6268, 0.3005, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	709C7A
RGB	112, 156, 122
RGB Percent	44%, 61%, 48%
CMY	0.5609, 0.3882, 0.5216
CMYK	0.28, 0.00, 0.22, 0.39
HSL	134°, 18%, 53%
HSV	134°, 28%, 61%
XYZ	22.0800, 28.6268, 22.7707
YIQ	138.9680, -15.3100, -19.9020

Conversions

Conversions Part 2

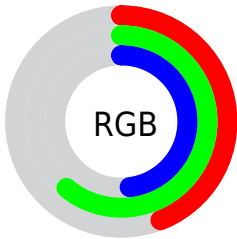
Format	Color
R_{YB}	112, 148, 156
Decimal	7380090
CIE _{Lab}	60.45, -22.16, 13.10
CIE _{LCh}	60, 25.744, 149.418
Yxy	28.6268, 0.3005, 0.3896
Android (android.graphics.Color)	4285570170 (0xFF709C7A)
YUV	138.9680, -8.3652, -23.6509
Hunter-Lab	53.5040, -19.9689, 12.2197

Details

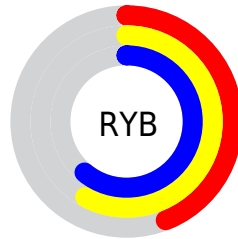
The Yxy color $28.6268, 0.3005, 0.3896$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.7257, 0.3279, 0.2752$, and the grayscale version is $25.8410, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6439, 0.3040, 0.3772$, and $11.6083, 0.2947, 0.4152$ is the 20% darker color. If you saturate the color by 10%, you get $27.4116, 0.2966, 0.4155$, and if you desaturate by 10%, it is $30.0587, 0.3048, 0.3659$.

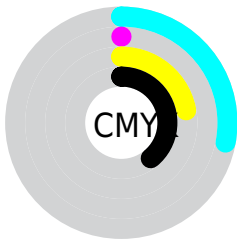
Distribution



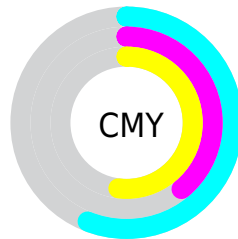
- Red (44%)
- Green (61%)
- Blue (48%)



- Red (44%)
- Yellow (58%)
- Blue (61%)



- Cyan (28%)
- Magenta (0%)
- Yellow (22%)
- Black (39%)





- Cyan (56%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6268, 0.3005, 0.3896 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 28.6268, 0.3005, 0.3896 by changing the saturation by 10% instead.


 28.6268, 0.3005,
0.3896


 28.6268, 0.3005,
0.3896


295.4500, 0.3077,
0.3557


 18.7987, 0.2982,
0.3995


 57.4836, 0.3034,
0.3763

 11.5249, 0.2950,
0.4133


 77.2811, 0.3044,
0.3716

 6.4211, 0.2899,
0.4337


 101.1705, 0.3052,
0.3677

 3.1028, 0.2811,
0.4668

 129.5362, 0.3059,
0.3645

 1.1856, 0.2675,
0.5677

162.7626, 0.3065,
0.3618

 0.0499, 0.0000,
1.0000

201.2341, 0.3069,

 0.0000, 0.0000,

0.3595

0.0000

245.3351, 0.3073,
0.3574

■ 28.6268, 0.3005,
0.3896

■ 28.6268, 0.3005,
0.3896

■ 27.4116, 0.2966,
0.4155

■ 30.0587, 0.3048,
0.3659

■ 26.3991, 0.2932,
0.4432

■ 31.7136, 0.3091,
0.3447

■ 25.5791, 0.2906,
0.4719


■ 33.6017, 0.3135,
0.3258


■ 24.9390, 0.2891,
0.5003


■ 35.7317, 0.3177,
0.3093

■ 24.4647, 0.2890,
0.5271

■ 38.1119, 0.3218,
0.2949

 24.1400, 0.2901,
0.5508


 40.7500, 0.3256,
0.2823

 23.9357, 0.2922,
0.5702

 43.6535, 0.3292,
0.2714

 23.9046, 0.2925,
0.5732

 46.8297, 0.3325,
0.2619

 50.2853, 0.3356,
0.2537

Harmonies

Analogous

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



28.6268, 0.3425, 0.4053



28.6268, 0.3005, 0.3896



28.6268, 0.2634, 0.3537

Triad

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



28.6268, 0.3005, 0.3896



28.6268, 0.2490, 0.2626



28.6268, 0.3909, 0.3375

Complementary

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



28.6268, 0.3005, 0.3896



20.7257, 0.3279, 0.2752

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.



28.6268, 0.3624, 0.3043



28.6268, 0.3005, 0.3896



28.6268, 0.2794, 0.2626

Square

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



28.6268, 0.3005, 0.3896



28.6268, 0.2353, 0.2796



28.6268, 0.3208, 0.2776



28.6268, 0.3964, 0.3710

Rectangle

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



28.6268, 0.3005, 0.3896



28.6268, 0.2460, 0.3257



28.6268, 0.3208, 0.2776



28.6268, 0.3836, 0.3261

Sweetspot

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



28.6280, 0.3005, 0.3896



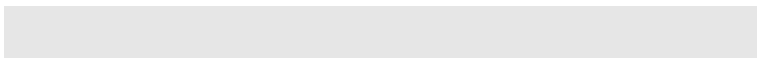
57.6154, 0.3092, 0.3445



31.1035, 0.3440, 0.4000



12.5781, 0.3085, 0.3474



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.



28.6280, 0.3005, 0.3896



50.5224, 0.2979, 0.4061



29.2224, 0.2826, 0.3504



7.4246, 0.3087, 0.3467



19.6919, 0.2922, 0.5720



0.3578, 0.2732, 0.5034

Inverse Universe

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



20.7257, 0.3279, 0.2752



33.7053, 0.3322, 0.2627



20.1173, 0.3555, 0.3087



6.7287, 0.3170, 0.3119



6.9543, 0.3868, 0.1904



0.1302, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 28.6268, 0.3005, 0.3896 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 28.6268, 0.3005, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

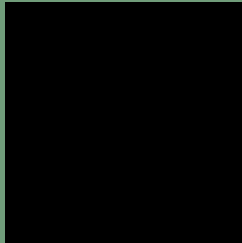
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6268, 0.3005, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 28.6268, 0.3005, 0.3896.



This preview shows how white text looks on a background with the Yxy color 28.6268, 0.3005, 0.3896.

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

28.6268, 0.3005, 0.3896

Protanopia

28.4052, 0.3509, 0.3739

Deuteranopia

28.3438, 0.3578, 0.3521



Tritanopia

28.7706, 0.2732, 0.3092

Trichromacy



Original Color

28.6268, 0.3005, 0.3896

Protanomaly

28.3158, 0.3312, 0.3793

Deuteranomaly

28.1240, 0.3345, 0.3651

Tritanomaly

28.7025, 0.2830, 0.3374

Monochromacy



Original Color

28.6268, 0.3005, 0.3896

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6114, 0.3076, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6268, 0.3005, 0.3896 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, 156, 122)` looks like.

```
.text, #text, p{  
    color:rgb(112, 156, 122)  
}
```

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, 156, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 156, 122) }
```

Border

The CSS property to change the border of an element to Yxy 28.6268, 0.3005, 0.3896 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, 156, 122) }
```

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

```
.border{ border-color:rgb(112, 156, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 156, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 156, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 156, 122);  
box-shadow:4px 4px 4px 4px rgb(112, 156,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6268, 0.3005, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 156, 122) }
```

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

```
.background{ background-color: rgb(112,  
156, 122) }
```

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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