

Converting Colors

$Y_{xy}(28.3791, 0.2989, 0.3834)$

Have a look what the booklet for
Yxy(28.3791, 0.2989, 0.3834)
contains.

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Color

$\text{Yxy}(28.3427, 0.2988, 0.3842)$

Conversions

Conversions Part 1

Format	Color
Hex	709B7C
RGB	112, 155, 124
RGB Percent	44%, 61%, 49%
CMY	0.5608, 0.3922, 0.5136
CMYK	0.28, 0.00, 0.20, 0.39
HSL	137°, 18%, 52%
HSV	137°, 28%, 61%
XYZ	22.0427, 28.3427, 23.3853
YIQ	138.6090, -15.6770, -18.7570

Conversions

Conversions Part 2

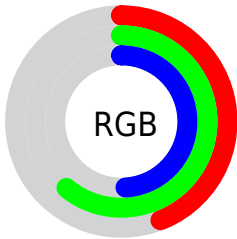
Format	Color
R_{YB}	112, 146, 155
Decimal	7379836
CIE _{Lab}	60.20, -21.24, 11.60
CIE _{LCh}	60, 24.204, 151.358
Yxy	28.3427, 0.2988, 0.3842
Android (android.graphics.Color)	4285569916 (0xFF709B7C)
YUV	138.6090, -7.2022, -23.3361
Hunter-Lab	53.2379, -19.2599, 11.2227

Details

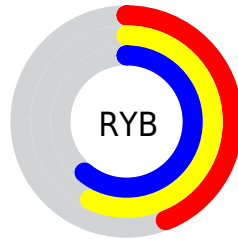
The Yxy color $28.3427, 0.2988, 0.3842$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.5398, 0.3303, 0.2796$, and the grayscale version is $25.6945, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.2668, 0.3020, 0.3719$, and $11.4654, 0.2936, 0.4070$ is the 20% darker color. If you saturate the color by 10%, you get $27.1463, 0.2943, 0.4082$, and if you desaturate by 10%, it is $29.7485, 0.3037, 0.3623$.

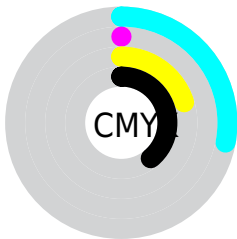
Distribution



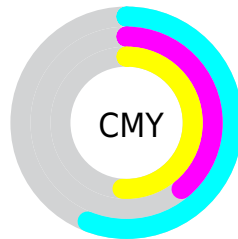
- Red (44%)
- Green (61%)
- Blue (49%)



- Red (44%)
- Yellow (57%)
- Blue (61%)



- Cyan (28%)
- Magenta (0%)
- Yellow (20%)
- Black (39%)




- Cyan (56%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3427, 0.2988, 0.3842 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 28.3427, 0.2988, 0.3842 by changing the saturation by 10% instead.


 28.3427, 0.2988,
0.3842


 28.3427, 0.2988,
0.3842


294.1009, 0.3068,
0.3533


 18.5842, 0.2963,
0.3932


 57.0311, 0.3020,
0.3721

 11.3702, 0.2929,
0.4058


 76.7298, 0.3031,
0.3678

 6.3164, 0.2875,
0.4243


 100.5106, 0.3040,
0.3643

 3.0384, 0.2785,
0.4545

 128.7580, 0.3048,
0.3614

 1.1518, 0.2610,
0.5422

161.8563, 0.3054,
0.3589

 0.0218, 0.0000,
1.0000

200.1899, 0.3060,

 0.0000, 0.0000,

0.3568

0.0000

244.1433, 0.3064,
0.3549

■ 28.3427, 0.2988,
0.3842

■ 28.3427, 0.2988,
0.3842

■ 27.1463, 0.2943,
0.4082

■ 29.7485, 0.3037,
0.3623

■ 26.1458, 0.2904,
0.4339

■ 31.3694, 0.3088,
0.3427

■ 25.3314, 0.2874,
0.4607

■ 33.2155, 0.3139,
0.3253

■ 24.6911, 0.2857,
0.4878

■ 35.2950, 0.3188,
0.3099

■ 24.2116, 0.2854,
0.5138

■ 37.6157, 0.3236,
0.2965

■ 23.8774, 0.2866,
0.5375

■ 40.1852, 0.3282,
0.2848

■ 23.6620, 0.2890,
0.5579

■ 43.0105, 0.3324,
0.2746

■ 23.6202, 0.2895,
0.5621

■ 46.0986, 0.3365,
0.2657

■ 49.4560, 0.3402,
0.2580

Harmonies

Analogous

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



28.3427, 0.3385, 0.4005



28.3427, 0.2988, 0.3842



28.3427, 0.2643, 0.3498

Triad

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



28.3427, 0.2988, 0.3842



28.3427, 0.2539, 0.2657



28.3427, 0.3874, 0.3394

Complementary

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



28.3427, 0.2988, 0.3842



20.5398, 0.3303, 0.2796

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.



28.3427, 0.3619, 0.3076



28.3427, 0.2988, 0.3842



28.3427, 0.2836, 0.2665

Square

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



28.3427, 0.2988, 0.3842



28.3427, 0.2397, 0.2809



28.3427, 0.3231, 0.2816



28.3427, 0.3912, 0.3709

Rectangle

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



28.3427, 0.2988, 0.3842



28.3427, 0.2484, 0.3235



28.3427, 0.3231, 0.2816



28.3427, 0.3811, 0.3285

Sweetspot

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



28.3439, 0.2988, 0.3842



56.0500, 0.3086, 0.3435



30.5006, 0.3411, 0.3992



12.5877, 0.3078, 0.3461



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.



28.3439, 0.2988, 0.3842



49.4504, 0.2961, 0.3981



28.9314, 0.2814, 0.3462



6.9526, 0.3080, 0.3454



18.9772, 0.2891, 0.5607



0.2893, 0.2674, 0.4827

Inverse Universe

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



20.5398, 0.3303, 0.2796



33.2131, 0.3351, 0.2688



19.9632, 0.3574, 0.3126



6.2942, 0.3177, 0.3131



6.5375, 0.4048, 0.2003



0.1038, 0.3610, 0.1762

Previews

White Background



This preview shows how the Yxy color 28.3427, 0.2988, 0.3842 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 28.3427, 0.2988, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

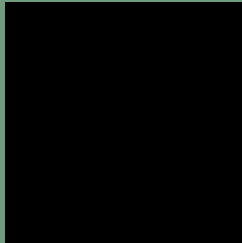
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3427, 0.2988, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 28.3427, 0.2988, 0.3842.



This preview shows how white text looks on a background with the Yxy color 28.3427, 0.2988, 0.3842.

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

28.3427, 0.2988, 0.3842

Protanopia

28.0507, 0.3481, 0.3693

Deuteranopia

27.9969, 0.3548, 0.3476



Tritanopia

28.3433, 0.2730, 0.3090

Trichromacy



Original Color

28.3427, 0.2988, 0.3842

Protanomaly

27.9636, 0.3284, 0.3744

Deuteranomaly

27.8681, 0.3327, 0.3602

Tritanomaly

28.3076, 0.2820, 0.3358

Monochromacy



Original Color

28.3427, 0.2988, 0.3842

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.6392, 0.3066, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3427, 0.2988, 0.3842 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, 155, 124)` looks like.

```
.text, #text, p{  
    color:rgb(112, 155, 124)  
}
```

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, 155, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 155, 124) }
```

Border

The CSS property to change the border of an element to Yxy 28.3427, 0.2988, 0.3842 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, 155, 124) }
```

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

```
.border{ border-color:rgb(112, 155, 124) }
```

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

Here you see how a box with a 4 pixel rgb(112, 155, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 155, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 155, 124);  
box-shadow:4px 4px 4px 4px rgb(112, 155,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3427, 0.2988, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 155, 124) }
```

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

```
.background{ background-color: rgb(112,  
155, 124) }
```

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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