

Converting Colors

$Y_{xy}(27.9250, 0.2643, 0.3885)$

Have a look what the booklet for
Yxy(27.9250, 0.2643, 0.3885)
contains.

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Color

$Y_{xy}(28.0022, 0.2644, 0.3899)$

Conversions

Conversions Part 1

Format	Color
Hex	46A080
RGB	70, 160, 128
RGB Percent	27%, 63%, 50%
CMY	0.7258, 0.3725, 0.4980
CMYK	0.56, 0.00, 0.20, 0.37
HSL	159°, 39%, 45%
HSV	159°, 56%, 63%
XYZ	18.9889, 28.0022, 24.8278
YIQ	129.4420, -43.3680, -29.0320

Conversions

Conversions Part 2

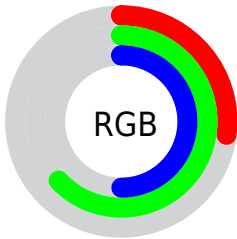
Format	Color
RYB	70, 125, 160
Decimal	4628608
CIELab	59.89, -34.82, 8.66
CIElCh	60, 35.879, 166.033
Yxy	28.0022, 0.2644, 0.3899
Android (android.graphics.Color)	4282818688 (0xFF46A080)
YUV	129.4420, -0.7109, -52.1306
Hunter-Lab	52.9171, -28.5515, 9.2241

Details

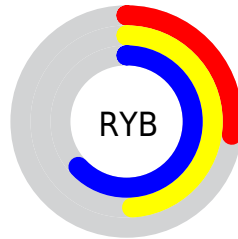
The Yxy color **28.0022, 0.2644, 0.3899** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8035, 0.4157, 0.2789**, and the grayscale version is **22.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3727, 0.2749, 0.3757**, and **11.2896, 0.2483, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **27.3406, 0.2598, 0.4031**, and if you desaturate by 10%, it is **28.8329, 0.2706, 0.3772**.

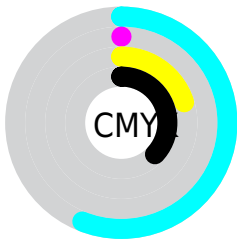
Distribution



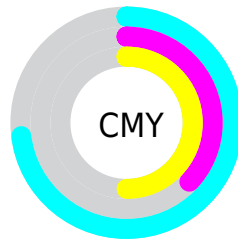
- Red (27%)
- Green (63%)
- Blue (50%)



- Red (27%)
- Yellow (49%)
- Blue (63%)



- Cyan (56%)
- Magenta (0%)
- Yellow (20%)
- Black (37%)



- Cyan (73%)
- Magenta (37%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0022, 0.2644, 0.3899 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 28.0022, 0.2644, 0.3899 by changing the saturation by 10% instead.


 28.0022, 0.2644,
0.3899


 28.0022, 0.2644,
0.3899


292.4774, 0.2911,
0.3557


 18.3273, 0.2568,
0.3999


 56.4880, 0.2748,
0.3764

 11.1852, 0.2463,
0.4139


 76.0676, 0.2785,
0.3717


 6.1916, 0.2311,
0.4346

 99.7177, 0.2815,
0.3678

 2.9619, 0.2072,
0.4684

 127.8225, 0.2840,
0.3646

 1.1119, 0.1010,
0.5885

 160.7665, 0.2862,
0.3619

 0.0000, 0.0000,
0.0000

198.9340, 0.2880,

0.3595

242.7096, 0.2897,
0.3575

■ 28.0022, 0.2644,
0.3899

■ 28.0022, 0.2644,
0.3899

■ 27.3406, 0.2598,
0.4031

■ 28.8329, 0.2706,
0.3772

■ 26.8318, 0.2571,
0.4165

■ 29.8409, 0.2782,
0.3652

■ 26.4617, 0.2563,
0.4300

■ 31.0380, 0.2869,
0.3541

■ 26.2090, 0.2573,
0.4434

■ 32.4339, 0.2963,
0.3438

■ 26.1279, 0.2579,
0.4483

■ 34.0376, 0.3063,
0.3344

■ 35.8576, 0.3165,
0.3260

■ 37.9018, 0.3268,
0.3185

■ 40.1779, 0.3371,
0.3118

■ 42.6931, 0.3471,
0.3059

Harmonies

Analogous

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



28.0022, 0.3200, 0.4309



28.0022, 0.2644, 0.3899



28.0022, 0.2241, 0.3294

Triad

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



28.0022, 0.2644, 0.3899



28.0022, 0.2454, 0.2361



28.0022, 0.4311, 0.3640

Complementary

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



28.0022, 0.2644, 0.3899



12.8035, 0.4157, 0.2789

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.



28.0022, 0.4084, 0.3181



28.0022, 0.2644, 0.3899



28.0022, 0.2962, 0.2481

Square

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



28.0022, 0.2644, 0.3899



28.0022, 0.2146, 0.2447



28.0022, 0.3569, 0.2772



28.0022, 0.4182, 0.4068

Rectangle

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



28.0022, 0.2644, 0.3899



28.0022, 0.2100, 0.2920



28.0022, 0.3569, 0.2772



28.0022, 0.4275, 0.3486

Sweetspot

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



28.0033, 0.2644, 0.3899



58.6044, 0.2953, 0.3448



28.4676, 0.3322, 0.4909



12.7453, 0.2935, 0.3466



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.



28.0033, 0.2644, 0.3899



49.3290, 0.2588, 0.4071



25.0173, 0.2386, 0.3068



7.4694, 0.3033, 0.3371



20.3588, 0.2575, 0.4471



0.3718, 0.2428, 0.3939

Inverse Universe

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



12.8035, 0.4157, 0.2789



18.8682, 0.4550, 0.2720



13.9409, 0.4648, 0.3481



6.6831, 0.3231, 0.3211



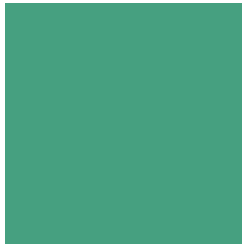
6.0585, 0.5505, 0.2806



0.1160, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 28.0022, 0.2644, 0.3899 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 28.0022, 0.2644, 0.3899 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 28.0022, 0.2644, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 28.0022, 0.2644, 0.3899.

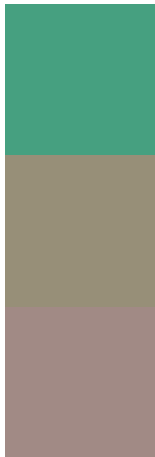


This preview shows how white text looks on a background with the Yxy color 28.0022, 0.2644, 0.3899.

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

28.0022, 0.2644, 0.3899

Protanopia

27.5803, 0.3451, 0.3664

Deuteranopia

27.4475, 0.3439, 0.3369



Tritanopia

28.0717, 0.2443, 0.3080

Trichromacy



Original Color

28.0022, 0.2644, 0.3899

Protanomaly

27.0625, 0.3096, 0.3748

Deuteranomaly

26.7857, 0.3084, 0.3549

Tritanomaly

28.0336, 0.2511, 0.3360

Monochromacy



Original Color

28.0022, 0.2644, 0.3899

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5293, 0.2900, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0022, 0.2644, 0.3899 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(70, 160, 128)` looks like.

```
.text, #text, p{  
    color:rgb(70, 160, 128)  
}
```

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(70, 160, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 160, 128) }
```

Border

The CSS property to change the border of an element to Yxy 28.0022, 0.2644, 0.3899 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(70, 160, 128) }
```

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

```
.border{ border-color:rgb(70, 160, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 160, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 160, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 160, 128);  
box-shadow:4px 4px 4px 4px rgb(70, 160,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0022, 0.2644, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 160, 128) }
```

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

```
.background{ background-color: rgb(70, 160,  
128) }
```

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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