

Converting Colors

$Y_{xy}(27.6878, 0.2938, 0.4472)$

Have a look what the booklet for
Yxy(27.6878, 0.2938, 0.4472)
contains.

Yxy(27.8173, 0.2943, 0.4484)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8173, 0.2943, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	52A062
RGB	82, 160, 98
RGB Percent	32%, 63%, 38%
CMY	0.6783, 0.3726, 0.6157
CMYK	0.49, 0.00, 0.39, 0.37
HSL	132°, 32%, 47%
HSV	132°, 49%, 63%
XYZ	18.2574, 27.8173, 15.9621
YIQ	129.6100, -26.5860, -35.8180

Conversions

Conversions Part 2

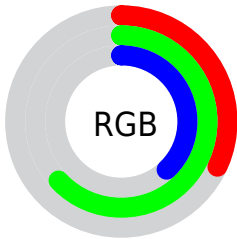
Format	Color
R_{YB}	82, 147, 160
Decimal	5415010
CIE _{Lab}	59.72, -37.90, 25.10
CIE _{LCh}	60, 45.458, 146.483
Yxy	27.8173, 0.2943, 0.4484
Android (android.graphics.Color)	4283605090 (0xFF52A062)
YUV	129.6100, -15.5837, -41.7540
Hunter-Lab	52.7421, -30.5084, 18.9757

Details

The Yxy color $27.8173, 0.2943, 0.4484$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $15.5284, 0.3402, 0.2342$, and the grayscale version is $22.2449, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.0050, 0.2998, 0.4210$, and $11.1496, 0.2832, 0.4999$ is the 20% darker color. If you saturate the color by 10%, you get $26.9609, 0.2919, 0.4779$, and if you desaturate by 10%, it is $28.8815, 0.2975, 0.4198$.

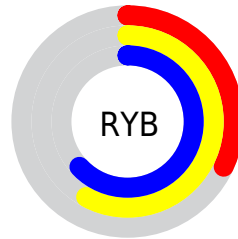
Distribution



Red (32%)

Green (63%)

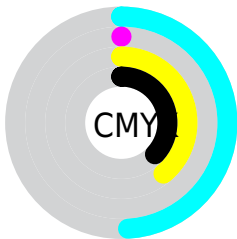
Blue (38%)



Red (32%)

Yellow (58%)

Blue (63%)

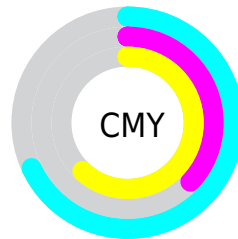


Cyan (49%)

Magenta (0%)

Yellow (39%)

Black (37%)



Cyan (68%)


Magenta (37%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8173, 0.2943, 0.4484 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 27.8173, 0.2943, 0.4484 by changing the saturation by 10% instead.

 27.8173, 0.2943,
0.4484


 27.8173, 0.2943,
0.4484


291.5929, 0.3065,
0.3797


 18.1880, 0.2898,
0.4692


 56.1926, 0.2997,
0.4209

 11.0850, 0.2829,
0.4983

 75.7074, 0.3014,
0.4114


 6.1241, 0.2714,
0.5418

 99.2862, 0.3027,
0.4037

 2.9207, 0.2513,
0.6171

 127.3132, 0.3038,
0.3972

 1.0905, 0.0824,
0.9176

 160.1731, 0.3046,
0.3918

 0.0000, 0.0000,
0.0000

198.2500, 0.3053,

0.3872

241.9285, 0.3060,
0.3832

■ 27.8173, 0.2943,
0.4484

■ 27.8173, 0.2943,
0.4484

■ 26.9609, 0.2919,
0.4779

■ 28.8815, 0.2975,
0.4198

■ 26.2953, 0.2906,
0.5069

■ 30.1623, 0.3011,
0.3929

■ 25.8062, 0.2905,
0.5338


■ 31.6723, 0.3051,
0.3683


■ 25.4761, 0.2916,
0.5571


■ 33.4221, 0.3092,
0.3462

■ 25.2719, 0.2936,
0.5756

■ 35.4214, 0.3132,
0.3266

 25.2495, 0.2938,
0.5777

 37.6798, 0.3171,
0.3095

 40.2060, 0.3209,
0.2945

 43.0084, 0.3244,
0.2815

 46.0952, 0.3277,
0.2702

Harmonies

Analogous

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



27.8173, 0.3665, 0.4674



27.8173, 0.2943, 0.4484



27.8173, 0.2309, 0.3806

Triad

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



27.8173, 0.2943, 0.4484



27.8173, 0.2018, 0.2178



27.8173, 0.4494, 0.3324

Complementary

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



27.8173, 0.2943, 0.4484



15.5284, 0.3402, 0.2342

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.



27.8173, 0.3940, 0.2805



27.8173, 0.2943, 0.4484



27.8173, 0.2478, 0.2176

Square

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



27.8173, 0.2943, 0.4484



27.8173, 0.1829, 0.2447



27.8173, 0.3171, 0.2400



27.8173, 0.4608, 0.3882

Rectangle

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



27.8173, 0.2943, 0.4484



27.8173, 0.2019, 0.3265



27.8173, 0.3171, 0.2400



27.8173, 0.4352, 0.3143

Sweetspot

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



27.8185, 0.2943, 0.4484



58.5510, 0.3065, 0.3604



31.7168, 0.3659, 0.4522



12.7085, 0.3057, 0.3649



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.



27.8185, 0.2943, 0.4484



48.9005, 0.2919, 0.4790



28.7316, 0.2659, 0.3719



7.4222, 0.3090, 0.3473



19.6748, 0.2934, 0.5763



0.3570, 0.2754, 0.5115

Inverse Universe

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



15.5284, 0.3402, 0.2342



23.9921, 0.3480, 0.2170



14.5424, 0.4029, 0.2917



6.7313, 0.3167, 0.3114



7.0267, 0.3792, 0.1863



0.1311, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 27.8173, 0.2943, 0.4484 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 27.8173, 0.2943, 0.4484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

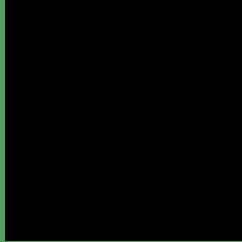
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8173, 0.2943, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 27.8173, 0.2943, 0.4484.



This preview shows how white text looks on a background with the Yxy color 27.8173, 0.2943, 0.4484.

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

27.8173, 0.2943, 0.4484

Protanopia

27.4682, 0.3808, 0.4115

Deuteranopia

27.4166, 0.3883, 0.3806



Tritanopia

27.6782, 0.2546, 0.3082

Trichromacy



Original Color

27.8173, 0.2943, 0.4484

Protanomaly

26.9702, 0.3440, 0.4252

Deuteranomaly

26.5937, 0.3490, 0.4043

Tritanomaly

27.6115, 0.2692, 0.3562

Monochromacy



Original Color

27.8173, 0.2943, 0.4484

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.8685, 0.3054, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8173, 0.2943, 0.4484 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(82, 160, 98)` looks like.

```
.text, #text, p{  
    color:rgb(82, 160, 98)  
}
```

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(82, 160, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 160, 98) }
```

Border

The CSS property to change the border of an element to Yxy 27.8173, 0.2943, 0.4484 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(82, 160, 98) }
```

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

```
.border{ border-color:rgb(82, 160, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 160, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 160, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 160, 98);  
box-shadow:4px 4px 4px 4px rgb(82, 160,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8173, 0.2943, 0.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 160, 98) }
```

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

```
.background{ background-color: rgb(82, 160,  
98) }
```

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