

Converting Colors

$Y_{xy}(27.8433, 0.2958, 0.4501)$

Have a look what the booklet for
Yxy(27.8433, 0.2958, 0.4501)
contains.

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Color

$\text{Yxy}(27.8437, 0.2958, 0.4501)$

Conversions

Conversions Part 1

Format	Color
Hex	53A061
RGB	83, 160, 97
RGB Percent	33%, 63%, 38%
CMY	0.6743, 0.3726, 0.6196
CMYK	0.48, 0.00, 0.39, 0.37
HSL	131°, 32%, 48%
HSV	131°, 48%, 63%
XYZ	18.2985, 27.8437, 15.7189
YIQ	129.7950, -25.6690, -35.9170

Conversions

Conversions Part 2

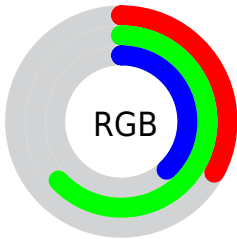
Format	Color
R_{YB}	83, 148, 160
Decimal	5480545
CIE _{Lab}	59.75, -37.79, 25.68
CIE _{LCh}	60, 45.687, 145.799
Yxy	27.8437, 0.2958, 0.4501
Android (android.graphics.Color)	4283670625 (0xFF53A061)
YUV	129.7950, -16.1679, -41.0392
Hunter-Lab	52.7671, -30.4424, 19.2750

Details

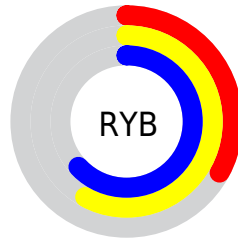
The Yxy color **27.8437, 0.2958, 0.4501** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7431, 0.3372, 0.2330**, and the grayscale version is **22.3160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0574, 0.3010, 0.4223**, and **11.1665, 0.2853, 0.5022** is the 20% darker color. If you saturate the color by 10%, you get **26.9742, 0.2935, 0.4803**, and if you desaturate by 10%, it is **28.9238, 0.2988, 0.4207**.

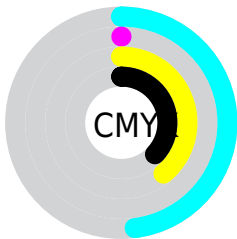
Distribution



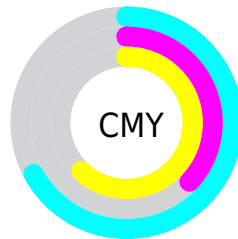
- Red (33%)
- Green (63%)
- Blue (38%)



- Red (33%)
- Yellow (58%)
- Blue (63%)



- Cyan (48%)
- Magenta (0%)
- Yellow (39%)
- Black (37%)




- Cyan (67%)
- Magenta (37%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8437, 0.2958, 0.4501 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 27.8437, 0.2958, 0.4501 by changing the saturation by 10% instead.


 27.8437, 0.2958,
0.4501


 27.8437, 0.2958,
0.4501


291.7193, 0.3072,
0.3805


 18.2079, 0.2915,
0.4711


 56.2348, 0.3009,
0.4223

 11.0993, 0.2848,
0.5007


 75.7589, 0.3025,
0.4126


 6.1337, 0.2735,
0.5446

 99.3478, 0.3037,
0.4047

 2.9265, 0.2541,
0.6217

 127.3860, 0.3047,
0.3982

 1.0935, 0.0862,
0.9138

 160.2579, 0.3055,
0.3927

 0.0000, 0.0000,
0.0000

198.3478, 0.3062,

0.3880

242.0401, 0.3067,
0.3840

■ 27.8437, 0.2958,
0.4501

■ 27.8437, 0.2958,
0.4501

■ 26.9742, 0.2935,
0.4803

■ 28.9238, 0.2988,
0.4207

■ 26.2982, 0.2922,
0.5099

■ 30.2235, 0.3022,
0.3932

■ 25.8014, 0.2919,
0.5372


■ 31.7555, 0.3059,
0.3680


■ 25.4661, 0.2929,
0.5606


■ 33.5303, 0.3097,
0.3454


■ 25.2621, 0.2946,
0.5787

■ 35.5579, 0.3134,
0.3254

 25.2296, 0.2949,
0.5816

 37.8479, 0.3170,
0.3079

 40.4090, 0.3204,
0.2926

 43.2499, 0.3236,
0.2794

 46.3787, 0.3265,
0.2680

Harmonies

Analogous

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



27.8437, 0.3683, 0.4679



27.8437, 0.2958, 0.4501



27.8437, 0.2317, 0.3827

Triad

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



27.8437, 0.2958, 0.4501



27.8437, 0.2006, 0.2177



27.8437, 0.4493, 0.3311

Complementary

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



27.8437, 0.2958, 0.4501



15.7431, 0.3372, 0.2330

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.



27.8437, 0.3927, 0.2792



27.8437, 0.2958, 0.4501



27.8437, 0.2462, 0.2169

Square

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



27.8437, 0.2958, 0.4501



27.8437, 0.1823, 0.2453



27.8437, 0.3154, 0.2389



27.8437, 0.4617, 0.3870

Rectangle

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



27.8437, 0.2958, 0.4501



27.8437, 0.2022, 0.3283



27.8437, 0.3154, 0.2389



27.8437, 0.4346, 0.3130

Sweetspot

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



27.8449, 0.2958, 0.4501



58.8409, 0.3074, 0.3590



31.9850, 0.3681, 0.4494



12.7654, 0.3066, 0.3637



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.



27.8449, 0.2958, 0.4501



48.8379, 0.2933, 0.4834



28.7127, 0.2682, 0.3762



7.4197, 0.3093, 0.3478



19.6591, 0.2945, 0.5803



0.3563, 0.2778, 0.5201

Inverse Universe

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



15.7431, 0.3372, 0.2330



24.1125, 0.3445, 0.2142



14.7641, 0.3967, 0.2880



6.7339, 0.3164, 0.3109



7.1038, 0.3717, 0.1821



0.1319, 0.3483, 0.1693

Previews

White Background



This preview shows how the Yxy color 27.8437, 0.2958, 0.4501 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 27.8437, 0.2958, 0.4501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

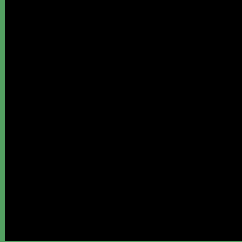
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8437, 0.2958, 0.4501

Background



This preview shows how black text looks on a background with the Yxy color 27.8437, 0.2958, 0.4501.



This preview shows how white text looks on a background with the Yxy color 27.8437, 0.2958, 0.4501.

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

27.8437, 0.2958, 0.4501

Protanopia

27.4510, 0.3818, 0.4130

Deuteranopia

27.3967, 0.3894, 0.3821



Tritanopia

27.7335, 0.2553, 0.3083

Trichromacy



Original Color

27.8437, 0.2958, 0.4501

Protanomaly

26.9523, 0.3449, 0.4269

Deuteranomaly

26.5742, 0.3499, 0.4060

Tritanomaly

27.6633, 0.2700, 0.3561

Monochromacy



Original Color

27.8437, 0.2958, 0.4501

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 27.8437, 0.2958, 0.4501 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(83, 160, 97)` looks like.

```
.text, #text, p{  
    color:rgb(83, 160, 97)  
}
```

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(83, 160, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 160, 97) }
```

Border

The CSS property to change the border of an element to Yxy 27.8437, 0.2958, 0.4501 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(83, 160, 97) }
```

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

```
.border{ border-color:rgb(83, 160, 97) }
```

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

Here you see how a box with a 4 pixel rgb(83, 160, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 160, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 160, 97);  
box-shadow:4px 4px 4px 4px rgb(83, 160,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8437, 0.2958, 0.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 160, 97) }
```

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

```
.background{ background-color: rgb(83, 160,  
97) }
```

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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