

Converting Colors

$Y_{xy}(13.2874, 0.2964, 0.5480)$

Have a look what the booklet for
Yxy(13.2874, 0.2964, 0.5480)
contains.

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Color

Yxy(13.2849, 0.2963, 0.5480)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 197623 |
| RGB | 25, 118, 35 |
| RGB Percent | 10%, 46%, 14% |
| CMY | 0.9018, 0.5373, 0.8628 |
| CMYK | 0.79, 0.00, 0.70, 0.54 |
| HSL | 126°, 65%, 28% |
| HSV | 126°, 79%, 46% |
| XYZ | 7.1831, 13.2849, 3.7746 |
| YIQ | 80.7310, -28.7850, -45.5290 |

Conversions

Conversions Part 2

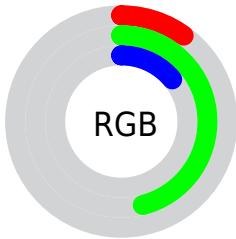
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 25, 109, 118 |
| Decimal | 1668643 |
| CIE _{Lab} | 43.19, -43.73, 36.84 |
| CIE _{LCh} | 43, 57.180, 139.891 |
| Yxy | 13.2849, 0.2963, 0.5480 |
| Android (android.graphics.Color) | 4279858723 (0xFF197623) |
| YUV | 80.7310, -22.5454, -48.8761 |
| Hunter-Lab | 36.4485, -28.6070, 19.3739 |

Details

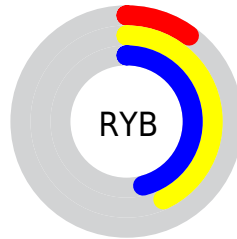
The Yxy color **13.2849, 0.2963, 0.5480** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.6318, 0.3408, 0.1823**, and the grayscale version is **8.2237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7443, 0.3067, 0.4868**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.1123, 0.2965, 0.5703**, and if you desaturate by 10%, it is **13.5408, 0.2969, 0.5207**.

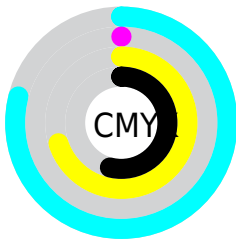
Distribution



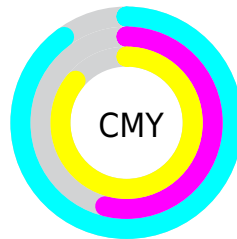
- Red (10%)
- Green (46%)
- Blue (14%)



- Red (10%)
- Yellow (43%)
- Blue (46%)



- Cyan (79%)
- Magenta (0%)
- Yellow (70%)
- Black (54%)





- Cyan (90%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2849, 0.2963, 0.5480 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 13.2849, 0.2963, 0.5480 by changing the saturation by 10% instead.


 13.2849, 0.2963,
0.5480


 13.2849, 0.2963,
0.5480

212.7356, 0.3135,
0.4075


 7.6250, 0.2842,
0.5980


 31.8147, 0.3067,
0.4869

 3.8560, 0.2679,
0.6926

 45.4534, 0.3091,
0.4672

 1.5933, 0.1674,
0.8326

 62.5204, 0.3106,
0.4518

 0.3531, 0.0000,
1.0000


 83.4003, 0.3117,
0.4394


 0.0000, 0.0000,
0.0000


 108.4774, 0.3124,
0.4292


 138.1360, 0.3129,


0.4208

 172.7606, 0.3133,
0.4136


 13.2849, 0.2963,
0.5480


 13.2849, 0.2963,
0.5480


 13.1123, 0.2965,
0.5703

 13.5408, 0.2969,
0.5207

 12.9978, 0.2969,
0.5869

 13.8870, 0.2982,
0.4905

 12.9853, 0.2968,
0.5885

 14.3316, 0.3001,
0.4591

 14.8814, 0.3024,
0.4281

 15.5424, 0.3050,
0.3989

■ 16.3204, 0.3077,
0.3721

■ 17.2207, 0.3104,
0.3479

■ 18.2482, 0.3130,
0.3266

■ 19.4075, 0.3155,
0.3078

Harmonies

Analogous

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



13.2849, 0.4018, 0.5363



13.2849, 0.2963, 0.5480



13.2849, 0.2001, 0.4448

Triad

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



13.2849, 0.2963, 0.5480



13.2849, 0.1426, 0.1692



13.2849, 0.5168, 0.3063

Complementary

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



13.2849, 0.2963, 0.5480



5.6318, 0.3408, 0.1823

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.



13.2849, 0.4144, 0.2397



13.2849, 0.2963, 0.5480



13.2849, 0.1955, 0.1650

Square

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



13.2849, 0.2963, 0.5480



13.2849, 0.1248, 0.2097



13.2849, 0.2898, 0.1897



13.2849, 0.5421, 0.3806

Rectangle

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



13.2849, 0.2963, 0.5480



13.2849, 0.1559, 0.3467



13.2849, 0.2898, 0.1897



13.2849, 0.4895, 0.2830

Sweetspot

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



13.2855, 0.2963, 0.5480



27.8759, 0.3062, 0.3873



16.2599, 0.3969, 0.4993



6.3234, 0.3054, 0.3951



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2855, 0.2963, 0.5480



22.8946, 0.2973, 0.5846



13.7554, 0.2606, 0.4288



4.1040, 0.3104, 0.3485



14.0468, 0.2969, 0.5889



68.3871, 0.2983, 0.5939

Inverse Universe

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



5.6318, 0.3408, 0.1823



8.7569, 0.3476, 0.1713



4.8983, 0.4657, 0.2624



3.7515, 0.3152, 0.3103



5.2772, 0.3488, 0.1695



25.6405, 0.3505, 0.1704

Previews

White Background



This preview shows how the Yxy color 13.2849, 0.2963, 0.5480 looks on a white 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

Black Background



This preview shows how the Yxy color 13.2849, 0.2963, 0.5480 looks on a black 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

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

Yxy 13.2849, 0.2963, 0.5480

Background



This preview shows how black text looks on a background with the Yxy color 13.2849, 0.2963, 0.5480.



This preview shows how white text looks on a background with the Yxy color 13.2849, 0.2963, 0.5480.

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

13.2849, 0.2963, 0.5480

Protanopia

13.1791, 0.4214, 0.4652

Deuteranopia

13.1594, 0.4352, 0.4301



Tritanopia

13.2407, 0.2408, 0.3074

Trichromacy



Original Color

13.2849, 0.2963, 0.5480

Protanomaly

12.6232, 0.3634, 0.5039

Deuteranomaly

12.3802, 0.3699, 0.4793

Tritanomaly

13.0284, 0.2627, 0.3950

Monochromacy



Original Color

13.2849, 0.2963, 0.5480

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.3677, 0.3043, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2849, 0.2963, 0.5480 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(25, 118, 35)` looks like.

```
.text, #text, p{  
    color:rgb(25, 118, 35)  
}
```

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(25, 118, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 118, 35) }
```

Border

The CSS property to change the border of an element to Yxy 13.2849, 0.2963, 0.5480 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(25, 118, 35) }
```

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

```
.border{ border-color:rgb(25, 118, 35) }
```

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

Here you see how a box with a 4 pixel rgb(25, 118, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 118, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 118, 35);  
box-shadow:4px 4px 4px 4px rgb(25, 118,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2849, 0.2963, 0.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 118, 35) }
```

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

```
.background{ background-color: rgb(25, 118,  
35) }
```

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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