

Converting Colors

$Y_{xy}(15.8453, 0.2950, 0.5436)$

Have a look what the booklet for
Yxy(15.8453, 0.2950, 0.5436)
contains.

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Color

$Y_{xy}(15.8453, 0.2950, 0.5436)$

Conversions

Conversions Part 1

Format	Color
Hex	1C8029
RGB	28, 128, 41
RGB Percent	11%, 50%, 16%
CMY	0.8901, 0.4980, 0.8391
CMYK	0.78, 0.00, 0.68, 0.50
HSL	128°, 64%, 31%
HSV	128°, 78%, 50%
XYZ	8.5989, 15.8453, 4.7046
YIQ	88.1820, -31.6730, -48.2570

Conversions

Conversions Part 2

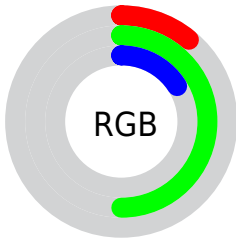
Format	Color
R_{YB}	28, 116, 128
Decimal	1867817
CIE _{Lab}	46.77, -46.10, 38.04
CIE _{LCh}	47, 59.775, 140.471
Yxy	15.8453, 0.2950, 0.5436
Android (android.graphics.Color)	4280057897 (0xFF1C8029)
YUV	88.1820, -23.2607, -52.7796
Hunter-Lab	39.8062, -31.1013, 20.8569

Details

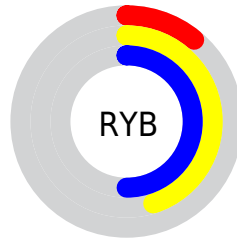
The Yxy color **15.8453, 0.2950, 0.5436** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.6585, 0.3455, 0.1854**, and the grayscale version is **9.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3849, 0.3047, 0.4856**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.6351, 0.2954, 0.5666**, and if you desaturate by 10%, it is **16.1556, 0.2955, 0.5161**.

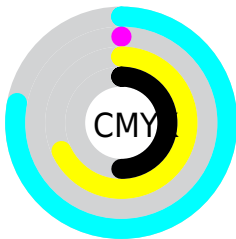
Distribution



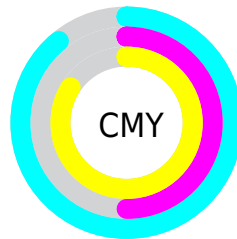
- Red (11%)
- Green (50%)
- Blue (16%)



- Red (11%)
- Yellow (45%)
- Blue (50%)



- Cyan (78%)
- Magenta (0%)
- Yellow (68%)
- Black (50%)




- Cyan (89%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8453, 0.2950, 0.5436 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 15.8453, 0.2950, 0.5436 by changing the saturation by 10% instead.


 15.8453, 0.2950,
0.5436


 15.8453, 0.2950,
0.5436


228.4271, 0.3125,
0.4088


 9.4147, 0.2840,
0.5895


 36.3294, 0.3051,
0.4861


 5.0127, 0.2648,
0.6605

 51.1518, 0.3075,
0.4672

 2.2547, 0.2209,
0.7791

 69.5402, 0.3092,
0.4523

 0.7496, 0.0000,
1.0000

 91.8791, 0.3103,
0.4403

 0.0000, 0.0000,
0.0000

 118.5529, 0.3111,
0.4303

 149.9458, 0.3117,

0.4220

186.4425, 0.3122,
0.4149

■ 15.8453, 0.2950,
0.5436

■ 15.8453, 0.2950,
0.5436

■ 15.6351, 0.2954,
0.5666

■ 16.1556, 0.2955,
0.5161

■ 15.5003, 0.2963,
0.5839

■ 16.5745, 0.2968,
0.4859

■ 15.4779, 0.2963,
0.5866

■ 17.1116, 0.2989,
0.4548

■ 17.7751, 0.3015,
0.4245

■ 18.5723, 0.3043,
0.3958

■ 19.5101, 0.3073,
0.3696

■ 20.5947, 0.3103,
0.3461

■ 21.8322, 0.3133,
0.3253

■ 23.2281, 0.3160,
0.3070

Harmonies

Analogous

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



15.8453, 0.3995, 0.5350



15.8453, 0.2950, 0.5436



15.8453, 0.2002, 0.4403

Triad

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



15.8453, 0.2950, 0.5436



15.8453, 0.1450, 0.1706



15.8453, 0.5153, 0.3083

Complementary

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



15.8453, 0.2950, 0.5436



6.6585, 0.3455, 0.1854

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.



15.8453, 0.4155, 0.2420



15.8453, 0.2950, 0.5436



15.8453, 0.1983, 0.1669

Square

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



15.8453, 0.2950, 0.5436



15.8453, 0.1267, 0.2101



15.8453, 0.2924, 0.1919



15.8453, 0.5391, 0.3822

Rectangle

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



15.8453, 0.2950, 0.5436



15.8453, 0.1568, 0.3440



15.8453, 0.2924, 0.1919



15.8453, 0.4888, 0.2851

Sweetspot

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



15.8460, 0.2950, 0.5436



33.4240, 0.3057, 0.3835



19.2586, 0.3947, 0.5008



7.7092, 0.3048, 0.3918



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.8460, 0.2950, 0.5436



27.3406, 0.2964, 0.5808



16.4184, 0.2593, 0.4244



4.8271, 0.3100, 0.3483



15.3474, 0.2963, 0.5865



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.6585, 0.3455, 0.1854



10.3554, 0.3537, 0.1750



5.8181, 0.4705, 0.2655



4.4031, 0.3155, 0.3104



5.6965, 0.3555, 0.1732



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.8453, 0.2950, 0.5436 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 15.8453, 0.2950, 0.5436 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 15.8453, 0.2950, 0.5436

Background



This preview shows how black text looks on a background with the Yxy color 15.8453, 0.2950, 0.5436.



This preview shows how white text looks on a background with the Yxy color 15.8453, 0.2950, 0.5436.

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

15.8453, 0.2950, 0.5436

Protanopia

15.4902, 0.4202, 0.4628

Deuteranopia

15.6433, 0.4344, 0.4268



Tritanopia

15.9175, 0.2411, 0.3089

Trichromacy



Original Color

15.8453, 0.2950, 0.5436



Protanomaly

14.9372, 0.3600, 0.5008



Deuteranomaly

14.5489, 0.3693, 0.4743



Tritanomaly

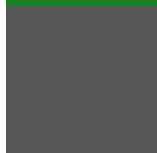
15.6333, 0.2615, 0.3926

Monochromacy



Original Color

15.8453, 0.2950, 0.5436



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.3137, 0.3021, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8453, 0.2950, 0.5436 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(28, 128, 41)` looks like.

```
.text, #text, p{  
    color:rgb(28, 128, 41)  
}
```

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(28, 128, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 128, 41) }
```

Border

The CSS property to change the border of an element to Yxy 15.8453, 0.2950, 0.5436 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(28, 128, 41) }
```

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

```
.border{ border-color:rgb(28, 128, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 128, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 128, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 128, 41);  
box-shadow:4px 4px 4px 4px rgb(28, 128,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8453, 0.2950, 0.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 128, 41) }
```

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

```
.background{ background-color: rgb(28, 128,  
41) }
```

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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