

Converting Colors

$Y_{xy}(13.7769, 0.2842, 0.5127)$

Have a look what the booklet for
Yxy(13.7769, 0.2842, 0.5127)
contains.

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Color

$Y_{xy}(13.8630, 0.2840, 0.5121)$

Conversions

Conversions Part 1

Format	Color
Hex	177834
RGB	23, 120, 52
RGB Percent	9%, 47%, 20%
CMY	0.9102, 0.5294, 0.7961
CMYK	0.81, 0.00, 0.57, 0.53
HSL	138°, 68%, 28%
HSV	138°, 81%, 47%
XYZ	7.6881, 13.8630, 5.5198
YIQ	83.2450, -35.9840, -41.7120

Conversions

Conversions Part 2

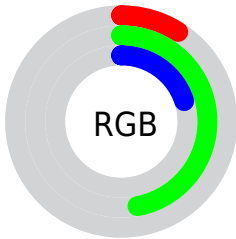
Format	Color
R_YB	23, 98, 120
Decimal	1538100
CIE _{Lab}	44.04, -42.54, 29.49
CIE _{LCh}	44, 51.760, 145.268
Yxy	13.8630, 0.2840, 0.5121
Android (android.graphics.Color)	4279728180 (0xFF177834)
YUV	83.2450, -15.4038, -52.8349
Hunter-Lab	37.2330, -28.3000, 17.2735

Details

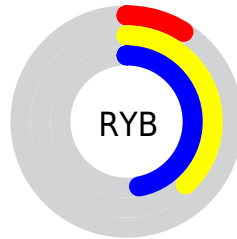
The Yxy color **13.8630, 0.2840, 0.5121** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.3565, 0.3869, 0.2086**, and the grayscale version is **8.7353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7385, 0.2956, 0.4611**, and **4.3913, 0.2963, 0.5868** is the 20% darker color. If you saturate the color by 10%, you get **13.6839, 0.2854, 0.5348**, and if you desaturate by 10%, it is **14.1208, 0.2841, 0.4873**.

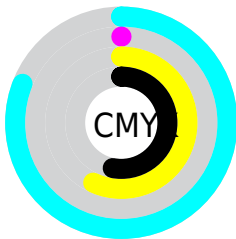
Distribution



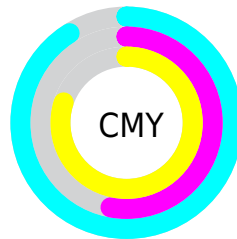
- Red (9%)
- Green (47%)
- Blue (20%)



- Red (9%)
- Yellow (38%)
- Blue (47%)



- Cyan (81%)
- Magenta (0%)
- Yellow (57%)
- Black (53%)



- Cyan (91%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8630, 0.2840, 0.5121 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 13.8630, 0.2840, 0.5121 by changing the saturation by 10% instead.

■ 13.8630, 0.2840,
0.5121

■ 13.8630, 0.2840,
0.5121

216.3769, 0.3060,
0.3949

■ 8.0254, 0.2728,
0.5549

■ 32.8457, 0.2952,
0.4609

■ 4.1112, 0.2526,
0.6212

■ 46.7597, 0.2982,
0.4445

■ 1.7360, 0.2016,
0.7984

■ 64.1346, 0.3005,
0.4317

■ 0.4468, 0.0000,
1.0000

■ 85.3548, 0.3022,
0.4214

■ 0.0000, 0.0000,
0.0000

■ 110.8048, 0.3035,
0.4130

■ 140.8688, 0.3045,

0.4060

175.9314, 0.3053,
0.4000

■ 13.8630, 0.2840,
0.5121

■ 13.8630, 0.2840,
0.5121

■ 13.6839, 0.2854,
0.5348

■ 14.1208, 0.2841,
0.4873

■ 13.5616, 0.2870,
0.5533

■ 14.4641, 0.2857,
0.4616

■ 14.9005, 0.2885,
0.4359

■ 15.4366, 0.2924,
0.4112

■ 16.0782, 0.2969,
0.3881

■ 16.8307, 0.3018,
0.3668

■ 17.6991, 0.3070,
0.3476

■ 18.6881, 0.3122,
0.3305

■ 19.8023, 0.3174,
0.3153

Harmonies

Analogous

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



13.8630, 0.3815, 0.5246



13.8630, 0.2840, 0.5121



13.8630, 0.1993, 0.4086

Triad

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



13.8630, 0.2840, 0.5121



13.8630, 0.1624, 0.1796



13.8630, 0.5057, 0.3231

Complementary

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



13.8630, 0.2840, 0.5121



5.3565, 0.3869, 0.2086

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.



13.8630, 0.4238, 0.2585



13.8630, 0.2840, 0.5121



13.8630, 0.2190, 0.1802

Square

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



13.8630, 0.2840, 0.5121



13.8630, 0.1401, 0.2119



13.8630, 0.3119, 0.2079



13.8630, 0.5180, 0.3943

Rectangle

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



13.8630, 0.2840, 0.5121



13.8630, 0.1623, 0.3249



13.8630, 0.3119, 0.2079



13.8630, 0.4851, 0.3006

Sweetspot

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



13.8636, 0.2840, 0.5121



29.0888, 0.3000, 0.3744



15.7969, 0.3730, 0.5198



6.8024, 0.2985, 0.3806



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.8636, 0.2840, 0.5121



23.8855, 0.2875, 0.5518



14.5158, 0.2456, 0.3826



4.4679, 0.3080, 0.3443



14.7909, 0.2872, 0.5540



70.4207, 0.2897, 0.5628

Inverse Universe

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



5.3565, 0.3869, 0.2086



8.2576, 0.4092, 0.2047



4.7842, 0.5269, 0.2964



4.0580, 0.3178, 0.3141



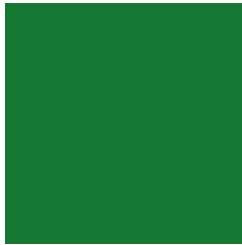
5.0527, 0.4108, 0.2037



23.9461, 0.4166, 0.2069

Previews

White Background



This preview shows how the Yxy color 13.8630, 0.2840, 0.5121 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 13.8630, 0.2840, 0.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

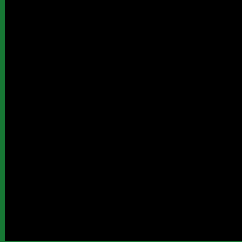
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8630, 0.2840, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 13.8630, 0.2840, 0.5121.



This preview shows how white text looks on a background with the Yxy color 13.8630, 0.2840, 0.5121.

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

13.8630, 0.2840, 0.5121

Protanopia

13.7507, 0.4047, 0.4440

Deuteranopia

13.6648, 0.4140, 0.4090



Tritanopia

13.9192, 0.2384, 0.3077

Trichromacy



Original Color

13.8630, 0.2840, 0.5121

Protanomaly

13.1675, 0.3467, 0.4750

Deuteranomaly

12.9248, 0.3514, 0.4500

Tritanomaly

13.8253, 0.2544, 0.3774

Monochromacy



Original Color

13.8630, 0.2840, 0.5121

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.8257, 0.2941, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8630, 0.2840, 0.5121 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(23, 120, 52)` looks like.

```
.text, #text, p{  
    color:rgb(23, 120, 52)  
}
```

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(23, 120, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 120, 52) }
```

Border

The CSS property to change the border of an element to Yxy 13.8630, 0.2840, 0.5121 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(23, 120, 52) }
```

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

```
.border{ border-color:rgb(23, 120, 52) }
```

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

Here you see how a box with a 4 pixel rgb(23, 120, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 120, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 120, 52);  
box-shadow:4px 4px 4px 4px rgb(23, 120,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8630, 0.2840, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 120, 52) }
```

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

```
.background{ background-color: rgb(23, 120,  
52) }
```

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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