

Converting Colors

$Y_{xy}(13.8898, 0.3010, 0.5460)$

Have a look what the booklet for
Yxy(13.8898, 0.3010, 0.5460)
contains.

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Color

Yxy(13.8776, 0.3012, 0.5466)

Conversions

Conversions Part 1

Format	Color
Hex	217823
RGB	33, 120, 35
RGB Percent	13%, 47%, 14%
CMY	0.8705, 0.5294, 0.8628
CMYK	0.72, 0.00, 0.71, 0.53
HSL	121°, 57%, 30%
HSV	121°, 72%, 47%
XYZ	7.6472, 13.8776, 3.8642
YIQ	84.2970, -24.5670, -44.8790

Conversions

Conversions Part 2

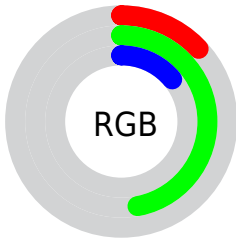
Format	Color
R_{YB}	33, 118, 120
Decimal	2193443
CIE _{Lab}	44.06, -43.01, 37.82
CIE _{LCh}	44, 57.277, 138.675
Yxy	13.8776, 0.3012, 0.5466
Android (android.graphics.Color)	4280383523 (0xFF217823)
YUV	84.2970, -24.3034, -44.9875
Hunter-Lab	37.2527, -28.5500, 19.9267

Details

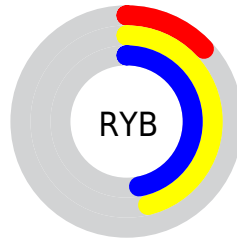
The Yxy color **13.8776, 0.3012, 0.5466** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.3905, 0.3236, 0.1789**, and the grayscale version is **8.9862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7514, 0.3103, 0.4872**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6558, 0.3003, 0.5709**, and if you desaturate by 10%, it is **14.1945, 0.3025, 0.5169**.

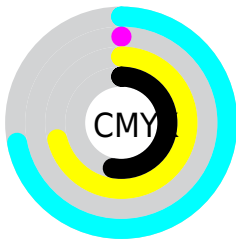
Distribution



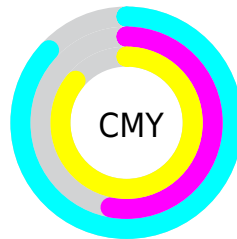
- Red (13%)
- Green (47%)
- Blue (14%)



- Red (13%)
- Yellow (46%)
- Blue (47%)



- Cyan (72%)
- Magenta (0%)
- Yellow (71%)
- Black (53%)



- Cyan (87%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8776, 0.3012, 0.5466 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 13.8776, 0.3012, 0.5466 by changing the saturation by 10% instead.

■ 13.8776, 0.3012,
0.5466

■ 13.8776, 0.3012,
0.5466

■ 216.4680, 0.3155,
0.4080

■ 8.0356, 0.2902,
0.5949

■ 32.8717, 0.3104,
0.4868

■ 4.1177, 0.2748,
0.6828

■ 46.7926, 0.3123,
0.4674

■ 1.7396, 0.1978,
0.8022

■ 64.1752, 0.3136,
0.4521

■ 0.4491, 0.0000,
1.0000

■ 85.4039, 0.3143,
0.4398

■ 0.0000, 0.0000,
0.0000

■ 110.8631, 0.3148,
0.4297

■ 140.9373, 0.3151,

0.4213

176.0108, 0.3153,
0.4141

13.8776, 0.3012,
0.5466

13.8776, 0.3012,
0.5466

13.6558, 0.3003,
0.5709

14.1945, 0.3025,
0.5169

13.5169, 0.2998,
0.5880

14.6136, 0.3040,
0.4840

13.4393, 0.2993,
0.5976

15.1435, 0.3058,
0.4503

15.7910, 0.3075,
0.4175

16.5628, 0.3093,
0.3870

■ 17.4648, 0.3109,
0.3593

■ 18.5027, 0.3124,
0.3346

■ 19.6818, 0.3137,
0.3131

■ 21.0070, 0.3149,
0.2943

Harmonies

Analogous

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



13.8776, 0.4056, 0.5320



13.8776, 0.3012, 0.5466



13.8776, 0.2049, 0.4489

Triad

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



13.8776, 0.3012, 0.5466



13.8776, 0.1428, 0.1716



13.8776, 0.5115, 0.3041

Complementary

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



13.8776, 0.3012, 0.5466



6.3905, 0.3236, 0.1789

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.



13.8776, 0.4082, 0.2383



13.8776, 0.3012, 0.5466



13.8776, 0.1938, 0.1661

Square

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



13.8776, 0.3012, 0.5466



13.8776, 0.1265, 0.2137



13.8776, 0.2856, 0.1895



13.8776, 0.5403, 0.3776

Rectangle

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



13.8776, 0.3012, 0.5466



13.8776, 0.1597, 0.3524



13.8776, 0.2856, 0.1895



13.8776, 0.4834, 0.2810

Sweetspot

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



13.8782, 0.3012, 0.5466



29.1226, 0.3092, 0.3871



17.4335, 0.4037, 0.4841



6.8291, 0.3089, 0.3934



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.



13.8782, 0.3012, 0.5466



23.8402, 0.3000, 0.5831



14.3064, 0.2680, 0.4398



4.4513, 0.3114, 0.3505



14.6608, 0.2994, 0.5977



69.9163, 0.2997, 0.5990

Inverse Universe

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



6.3905, 0.3236, 0.1789



9.8143, 0.3255, 0.1631



5.5905, 0.4270, 0.2496



4.0760, 0.3140, 0.3084



5.7644, 0.3265, 0.1572



27.4788, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 13.8776, 0.3012, 0.5466 looks on a white background.

Color Contrast Check

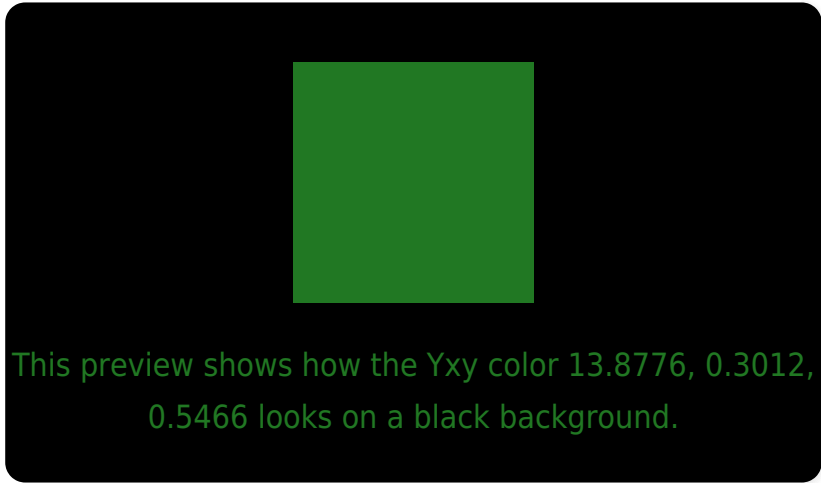
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.8776, 0.3012, 0.5466

Background



This preview shows how black text looks on a background with the Yxy color 13.8776, 0.3012, 0.5466.



This preview shows how white text looks on a background with the Yxy color 13.8776, 0.3012, 0.5466.

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

13.8776, 0.3012, 0.5466

Protanopia

13.7126, 0.4217, 0.4664

Deuteranopia

13.7652, 0.4370, 0.4312



Tritanopia

13.8684, 0.2440, 0.3079

Trichromacy



Original Color

13.8776, 0.3012, 0.5466

Protanomaly

13.2346, 0.3676, 0.5028

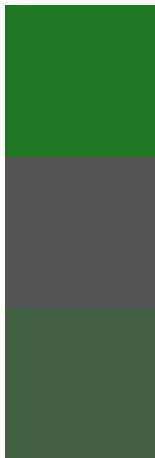
Deuteranomaly

13.0483, 0.3758, 0.4781

Tritanomaly

13.6526, 0.2662, 0.3933

Monochromacy



Original Color

13.8776, 0.3012, 0.5466

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.0666, 0.3072, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8776, 0.3012, 0.5466 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(33, 120, 35)` looks like.

```
.text, #text, p{  
    color:rgb(33, 120, 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(33, 120, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 120, 35) }
```

Border

The CSS property to change the border of an element to Yxy 13.8776, 0.3012, 0.5466 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(33, 120, 35) }
```

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

```
.border{ border-color:rgb(33, 120, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 120, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 120, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 120, 35);  
box-shadow:4px 4px 4px 4px rgb(33, 120,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8776, 0.3012, 0.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 120, 35) }
```

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

```
.background{ background-color: rgb(33, 120,  
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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