

Converting Colors

$Y_{xy}(13.5092, 0.2885, 0.5587)$

Have a look what the booklet for
Yxy(13.5092, 0.2885, 0.5587)
contains.

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Color

Yxy(13.5427, 0.2887, 0.5592)

Conversions

Conversions Part 1

Format	Color
Hex	007821
RGB	0, 120, 33
RGB Percent	0%, 47%, 13%
CMY	0.9996, 0.5294, 0.8706
CMYK	1.00, 0.00, 0.73, 0.53
HSL	136°, 100%, 24%
HSV	136°, 100%, 47%
XYZ	6.9917, 13.5427, 3.6836
YIQ	74.2020, -43.5930, -52.4970

Conversions

Conversions Part 2

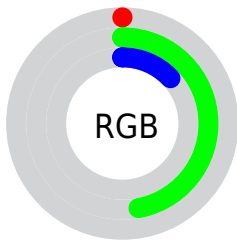
Format	Color
RYB	0, 94, 120
Decimal	30753
CIELab	43.57, -47.27, 38.02
CIELCh	44, 60.661, 141.186
Yxy	13.5427, 0.2887, 0.5592
Android (android.graphics.Color)	4278220833 (0xFF007821)
YUV	74.2020, -20.3126, -65.0752
Hunter-Lab	36.8004, -30.4874, 19.8256

Details

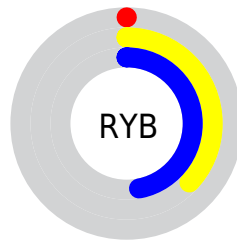
The Yxy color **13.5427, 0.2887, 0.5592** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6850, 0.4013, 0.1985**, and the grayscale version is **6.9337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0741, 0.3016, 0.4954**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5422, 0.2887, 0.5593**, and if you desaturate by 10%, it is **13.6768, 0.2869, 0.5389**.

Distribution



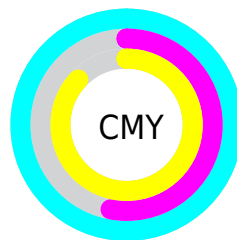
- Red (0%)
- Green (47%)
- Blue (13%)



- Red (0%)
- Yellow (37%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5427, 0.2887, 0.5592 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 13.5427, 0.2887, 0.5592 by changing the saturation by 10% instead.


 13.5427, 0.2887,
0.5592


 13.5427, 0.2887,
0.5592


214.3671, 0.3111,
0.4113


 7.8033, 0.2745,
0.6115


 32.2754, 0.3015,
0.4949


 3.9693, 0.2555,
0.7117

 46.0375, 0.3046,
0.4742

 1.6564, 0.1419,
0.8581

 63.2426, 0.3067,
0.4580

 0.3952, 0.0000,
1.0000


 84.2751, 0.3082,
0.4449

 0.0000, 0.0000,
0.0000

 109.5194, 0.3093,
0.4342


 139.3599, 0.3101,


0.4253

 174.1810, 0.3107,
0.4178


 13.5427, 0.2887,
0.5592


 13.5427, 0.2887,
0.5592


 13.5422, 0.2887,
0.5593

 13.6768, 0.2869,
0.5389

 13.8621, 0.2857,
0.5158

 14.1267, 0.2860,
0.4903

 14.4788, 0.2876,
0.4638

 14.9258, 0.2903,
0.4373

■ 15.4740, 0.2940,
0.4119

■ 16.1294, 0.2983,
0.3880

■ 16.8973, 0.3030,
0.3662

■ 17.7828, 0.3079,
0.3465

Harmonies

Analogous

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



13.5427, 0.3983, 0.5477



13.5427, 0.2887, 0.5592



13.5427, 0.1905, 0.4450

Triad

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



13.5427, 0.2887, 0.5592



13.5427, 0.1378, 0.1619



13.5427, 0.5303, 0.3070

Complementary

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



13.5427, 0.2887, 0.5592



4.6850, 0.4013, 0.1985

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.



13.5427, 0.4251, 0.2383



13.5427, 0.2887, 0.5592



13.5427, 0.1937, 0.1593

Square

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



13.5427, 0.2887, 0.5592



13.5427, 0.1181, 0.2009



13.5427, 0.2934, 0.1859



13.5427, 0.5512, 0.3832

Rectangle

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



13.5427, 0.2887, 0.5592



13.5427, 0.1467, 0.3403



13.5427, 0.2934, 0.1859



13.5427, 0.5029, 0.2831

Sweetspot

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



13.5433, 0.2887, 0.5592



28.2675, 0.2979, 0.3899



15.5090, 0.3746, 0.5407



6.6020, 0.2964, 0.3979



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.



13.5433, 0.2887, 0.5592



23.7982, 0.2898, 0.5634



14.2066, 0.2452, 0.4028



4.4664, 0.3083, 0.3449



14.7717, 0.2889, 0.5600



70.3367, 0.2913, 0.5685

Inverse Universe

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



4.6850, 0.4013, 0.1985



8.2126, 0.4038, 0.1998



4.0794, 0.5891, 0.3020



4.0596, 0.3175, 0.3136



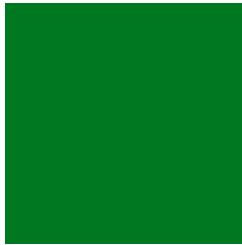
5.1059, 0.4018, 0.1987



24.2064, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 13.5427, 0.2887, 0.5592 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 13.5427, 0.2887, 0.5592 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 13.5427, 0.2887, 0.5592

Background



This preview shows how black text looks on a background with the Yxy color 13.5427, 0.2887, 0.5592.



This preview shows how white text looks on a background with the Yxy color 13.5427, 0.2887, 0.5592.

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

13.5427, 0.2887, 0.5592

Protanopia

13.4340, 0.4232, 0.4682

Deuteranopia

13.4847, 0.4391, 0.4331



Tritanopia

13.6218, 0.2373, 0.3075

Trichromacy



Original Color

13.5427, 0.2887, 0.5592

Protanomaly

12.4475, 0.3509, 0.5168

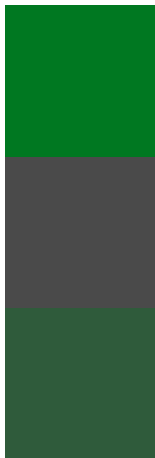
Deuteranomaly

12.1973, 0.3586, 0.4916

Tritanomaly

13.2740, 0.2549, 0.3982

Monochromacy



Original Color

13.5427, 0.2887, 0.5592

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.4023, 0.2915, 0.4295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5427, 0.2887, 0.5592 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(0, 120, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 33)  
}
```

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(0, 120, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.5427, 0.2887, 0.5592 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(0, 120, 33) }
```

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

```
.border{ border-color:rgb(0, 120, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5427, 0.2887, 0.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 33) }
```

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

```
.background{ background-color: rgb(0, 120,  
33) }
```

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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