

Converting Colors

$Y_{xy}(13.2240, 0.2820, 0.5354)$

Have a look what the booklet for
Yxy(13.2240, 0.2820, 0.5354)
contains.

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Color

Yxy(13.1313, 0.2822, 0.5359)

Conversions

Conversions Part 1

Format	Color
Hex	00762B
RGB	0, 118, 43
RGB Percent	0%, 46%, 17%
CMY	0.9999, 0.5372, 0.8313
CMYK	1.00, 0.00, 0.64, 0.54
HSL	142°, 100%, 23%
HSV	142°, 100%, 46%
XYZ	6.9148, 13.1313, 4.4571
YIQ	74.1680, -46.2530, -48.3410

Conversions

Conversions Part 2

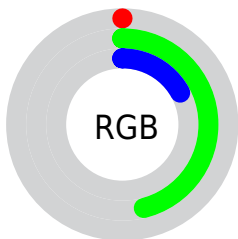
Format	Color
RYB	0, 86, 118
Decimal	30251
CIELab	42.96, -45.41, 32.73
CIELCh	43, 55.975, 144.219
Yxy	13.1313, 0.2822, 0.5359
Android (android.graphics.Color)	4278220331 (0xFF00762B)
YUV	74.1680, -15.3658, -65.0453
Hunter-Lab	36.2371, -29.3534, 18.0734

Details

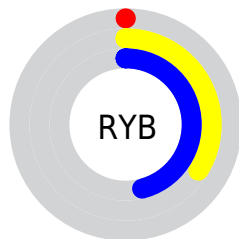
The Yxy color **13.1313, 0.2822, 0.5359** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.3599, 0.4341, 0.2165**, and the grayscale version is **6.9146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4177, 0.2954, 0.4776**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.1317, 0.2822, 0.5359**, and if you desaturate by 10%, it is **13.2688, 0.2803, 0.5155**.

Distribution



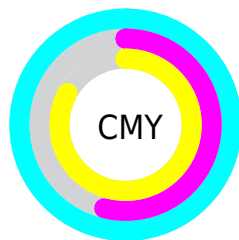
- Red (0%)
- Green (46%)
- Blue (17%)



- Red (0%)
- Yellow (34%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1313, 0.2822, 0.5359 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 13.1313, 0.2822, 0.5359 by changing the saturation by 10% instead.


 13.1313, 0.2822,
0.5359


 13.1313, 0.2822,
0.5359


211.7574, 0.3068,
0.4022


 7.5190, 0.2688,
0.5850


 31.5395, 0.2951,
0.4772


 3.7888, 0.2468,
0.6686

 45.1041, 0.2986,
0.4585

 1.5561, 0.1409,
0.8591

 62.0884, 0.3010,
0.4439

 0.3277, 0.0000,
1.0000

 82.8767, 0.3028,
0.4322


 0.0000, 0.0000,
0.0000


 107.8533, 0.3042,
0.4227


 137.4027, 0.3052,


0.4147

 171.9093, 0.3061,
0.4080


 13.1313, 0.2822,
0.5359


 13.1313, 0.2822,
0.5359

 13.1317, 0.2822,
0.5359

 13.2688, 0.2803,
0.5155

 13.4523, 0.2791,
0.4934

 13.7095, 0.2797,
0.4701

 14.0479, 0.2817,
0.4465

 14.4743, 0.2851,
0.4233

■ 14.9946, 0.2896,
0.4011

■ 15.6143, 0.2949,
0.3805

■ 16.3384, 0.3006,
0.3615

■ 17.1715, 0.3066,
0.3443

Harmonies

Analogous

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



13.1313, 0.3868, 0.5406



13.1313, 0.2822, 0.5359



13.1313, 0.1909, 0.4219

Triad

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



13.1313, 0.2822, 0.5359



13.1313, 0.1499, 0.1687



13.1313, 0.5224, 0.3174

Complementary

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



13.1313, 0.2822, 0.5359



4.3599, 0.4341, 0.2165

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.



13.1313, 0.4303, 0.2498



13.1313, 0.2822, 0.5359



13.1313, 0.2080, 0.1688

Square

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



13.1313, 0.2822, 0.5359



13.1313, 0.1276, 0.2030



13.1313, 0.3069, 0.1972



13.1313, 0.5358, 0.3919

Rectangle

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



13.1313, 0.2822, 0.5359



13.1313, 0.1513, 0.3273



13.1313, 0.3069, 0.1972



13.1313, 0.4992, 0.2939

Sweetspot

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



13.1318, 0.2822, 0.5359



27.3654, 0.2944, 0.3820



14.5228, 0.3613, 0.5514



6.2058, 0.2927, 0.3886



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.



13.1318, 0.2822, 0.5359



23.0657, 0.2834, 0.5403



13.8833, 0.2375, 0.3750



4.1182, 0.3072, 0.3428



14.2040, 0.2824, 0.5366



69.0659, 0.2850, 0.5461

Inverse Universe

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



4.3599, 0.4341, 0.2165



7.6398, 0.4376, 0.2184



3.8947, 0.6119, 0.3145



3.7364, 0.3187, 0.3156



4.7139, 0.4346, 0.2168



22.8023, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 13.1313, 0.2822, 0.5359 looks on a white background.

Color Contrast Check

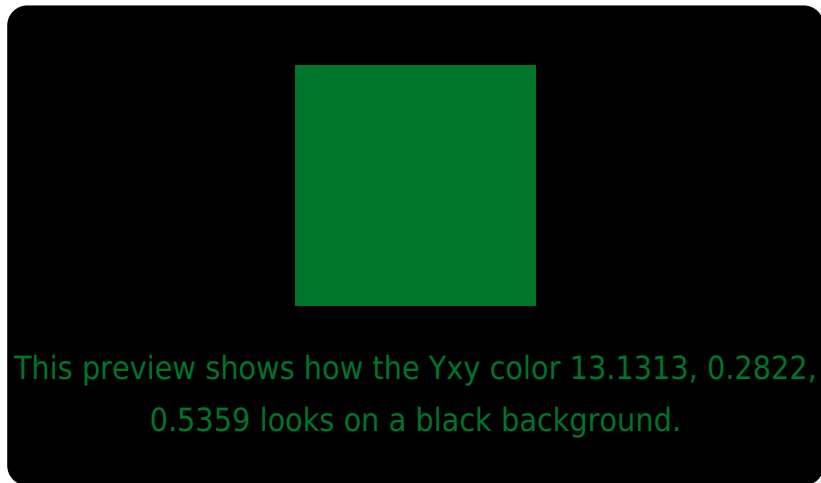
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1313, 0.2822, 0.5359

Background



This preview shows how black text looks on a background with the Yxy color 13.1313, 0.2822, 0.5359.



This preview shows how white text looks on a background with the Yxy color 13.1313, 0.2822, 0.5359.

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

13.1313, 0.2822, 0.5359

Protanopia

12.9580, 0.4147, 0.4549

Deuteranopia

12.9560, 0.4264, 0.4180



Tritanopia

13.0881, 0.2365, 0.3071

Trichromacy



Original Color

13.1313, 0.2822, 0.5359



Protanomaly

12.0463, 0.3428, 0.4967



Deuteranomaly

11.8113, 0.3496, 0.4708



Tritanomaly

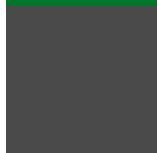
12.8416, 0.2516, 0.3879

Monochromacy



Original Color

13.1313, 0.2822, 0.5359



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

8.2755, 0.2863, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1313, 0.2822, 0.5359 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, 118, 43)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 43)  
}
```

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, 118, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 43) }
```

Border

The CSS property to change the border of an element to Yxy 13.1313, 0.2822, 0.5359 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, 118, 43) }
```

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

```
.border{ border-color:rgb(0, 118, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 43);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1313, 0.2822, 0.5359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 43) }
```

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

```
.background{ background-color: rgb(0, 118,  
43) }
```

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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