

Converting Colors

$Y_{xy}(12.2897, 0.2144, 0.5761)$

Have a look what the booklet for
Yxy(12.2897, 0.2144, 0.5761)
contains.

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Color

Yxy(13.6148, 0.2821, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	00782C
RGB	0, 120, 44
RGB Percent	0%, 47%, 17%
CMY	1.0000, 0.5294, 0.8274
CMYK	1.00, 0.00, 0.63, 0.53
HSL	142°, 100%, 24%
HSV	142°, 100%, 47%
XYZ	7.1709, 13.6148, 4.6340
YIQ	75.4560, -47.1240, -49.0760

Conversions

Conversions Part 2

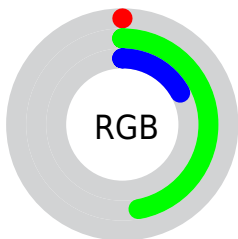
Format	Color
RYB	0, 88, 120
Decimal	30764
CIELab	43.68, -45.95, 33.06
CIELCh	44, 56.604, 144.263
Yxy	13.6148, 0.2821, 0.5356
Android (android.graphics.Color)	4278220844 (0xFF00782C)
YUV	75.4560, -15.5078, -66.1749
Hunter-Lab	36.8982, -29.8818, 18.3826

Details

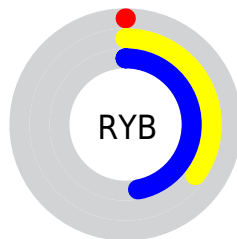
The Yxy color **13.6148, 0.2821, 0.5356** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.5149, 0.4352, 0.2171**, and the grayscale version is **7.1586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2552, 0.2948, 0.4760**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6156, 0.2821, 0.5356**, and if you desaturate by 10%, it is **13.7563, 0.2801, 0.5152**.

Distribution



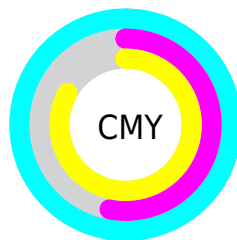
- Red (0%)
- Green (47%)
- Blue (17%)



- Red (0%)
- Yellow (35%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6148, 0.2821, 0.5356 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 13.6148, 0.2821, 0.5356 by changing the saturation by 10% instead.


 13.6148, 0.2821,
0.5356

 13.6148, 0.2821,
0.5356


214.8211, 0.3067,
0.4027


 7.8532, 0.2689,
0.5839


 32.4040, 0.2949,
0.4774


 4.0012, 0.2466,
0.6634

 46.2004, 0.2984,
0.4589


 1.6742, 0.1593,
0.8407

 63.4438, 0.3008,
0.4443

 0.4069, 0.0000,
1.0000


 84.5188, 0.3026,
0.4327


 0.0000, 0.0000,
0.0000

 109.8096, 0.3040,
0.4231


 139.7007, 0.3051,

0.4152


 174.5764, 0.3060,
0.4085


 13.6148, 0.2821,
0.5356


 13.6148, 0.2821,
0.5356


 13.6156, 0.2821,
0.5356

 13.7563, 0.2801,
0.5152

 13.9458, 0.2790,
0.4932

 14.2117, 0.2795,
0.4699

 14.5620, 0.2815,
0.4463

 15.0037, 0.2850,
0.4232

■ 15.5430, 0.2895,
0.4011

■ 16.1855, 0.2947,
0.3804

■ 16.9365, 0.3005,
0.3615

■ 17.8008, 0.3066,
0.3443

Harmonies

Analogous

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



13.6148, 0.3866, 0.5405



13.6148, 0.2821, 0.5356



13.6148, 0.1909, 0.4216

Triad

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



13.6148, 0.2821, 0.5356



13.6148, 0.1501, 0.1688



13.6148, 0.5223, 0.3175

Complementary

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



13.6148, 0.2821, 0.5356



4.5149, 0.4352, 0.2171

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.



13.6148, 0.4304, 0.2500



13.6148, 0.2821, 0.5356



13.6148, 0.2082, 0.1690

Square

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



13.6148, 0.2821, 0.5356



13.6148, 0.1277, 0.2030



13.6148, 0.3071, 0.1973



13.6148, 0.5356, 0.3921

Rectangle

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



13.6148, 0.2821, 0.5356



13.6148, 0.1514, 0.3271



13.6148, 0.3071, 0.1973



13.6148, 0.4991, 0.2940

Sweetspot

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



13.6156, 0.2821, 0.5356



28.3765, 0.2943, 0.3819



14.9702, 0.3586, 0.5535



6.6297, 0.2925, 0.3888



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.



13.6156, 0.2821, 0.5356



23.9221, 0.2833, 0.5399



14.4332, 0.2360, 0.3696



4.4720, 0.3071, 0.3429



14.8505, 0.2823, 0.5363



70.6869, 0.2849, 0.5456

Inverse Universe

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



4.5149, 0.4352, 0.2171



7.9144, 0.4387, 0.2190



4.0307, 0.6161, 0.3167



4.0537, 0.3188, 0.3155



4.9225, 0.4358, 0.2174



23.3127, 0.4434, 0.2216

Previews

White Background



This preview shows how the Yxy color 13.6148, 0.2821, 0.5356 looks on a white background.

Color Contrast Check

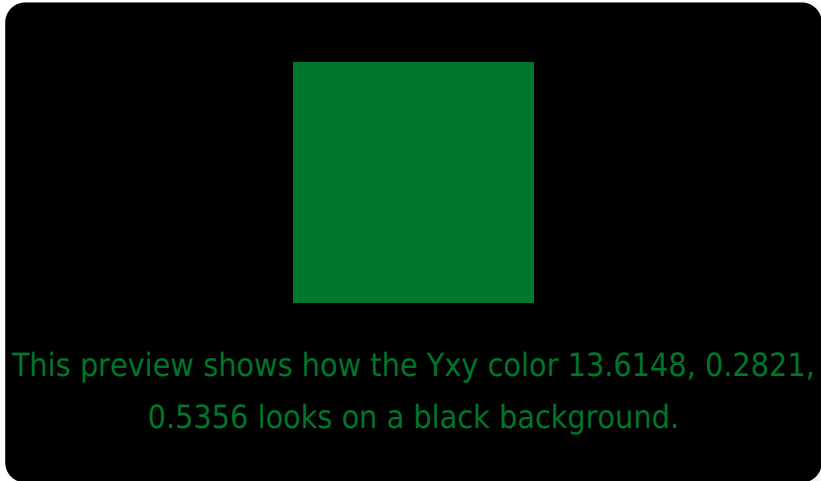
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6148, 0.2821, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 13.6148, 0.2821, 0.5356.



This preview shows how white text looks on a background with the Yxy color 13.6148, 0.2821, 0.5356.

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

13.6148, 0.2821, 0.5356

Protanopia

13.4918, 0.4143, 0.4550

Deuteranopia

13.4864, 0.4258, 0.4186



Tritanopia

13.5972, 0.2366, 0.3075

Trichromacy



Original Color

13.6148, 0.2821, 0.5356



Protanomaly

12.5138, 0.3421, 0.4968



Deuteranomaly

12.2708, 0.3488, 0.4713



Tritanomaly

13.3431, 0.2514, 0.3869

Monochromacy



Original Color

13.6148, 0.2821, 0.5356



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

8.4807, 0.2865, 0.4128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6148, 0.2821, 0.5356 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 44) }
```

Border

The CSS property to change the border of an element to Yxy 13.6148, 0.2821, 0.5356 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, 44) }
```

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

```
.border{ border-color:rgb(0, 120, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 44);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6148, 0.2821, 0.5356 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, 44) }
```

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

```
.background{ background-color: rgb(0, 120,  
44) }
```

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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