

Converting Colors

$Yxy(13.0446, 0.2711, 0.4959)$

Have a look what the booklet for
Yxy(13.0446, 0.2711, 0.4959)
contains.

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Color

Yxy(13.0281, 0.2710, 0.4955)

Conversions

Conversions Part 1

Format	Color
Hex	00753A
RGB	0, 117, 58
RGB Percent	0%, 46%, 23%
CMY	0.9997, 0.5412, 0.7726
CMYK	1.00, 0.00, 0.50, 0.54
HSL	150°, 100%, 23%
HSV	150°, 100%, 46%
XYZ	7.1254, 13.0281, 6.1394
YIQ	75.2910, -50.7930, -43.1530

Conversions

Conversions Part 2

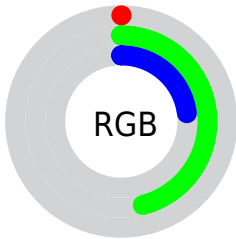
Format	Color
RYB	0, 78, 117
Decimal	30010
CIELab	42.81, -42.65, 24.70
CIELCh	43, 49.280, 149.924
Yxy	13.0281, 0.2710, 0.4955
Android (android.graphics.Color)	4278220090 (0xFF00753A)
YUV	75.2910, -8.5245, -66.0302
Hunter-Lab	36.0945, -27.9279, 15.1814

Details

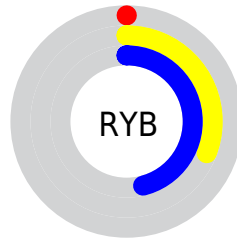
The Yxy color **13.0281, 0.2710, 0.4955** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1006, 0.4855, 0.2449**, and the grayscale version is **7.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2859, 0.2848, 0.4483**, and **4.0434, 0.2899, 0.5636** is the 20% darker color. If you saturate the color by 10%, you get **13.0277, 0.2710, 0.4956**, and if you desaturate by 10%, it is **13.1683, 0.2694, 0.4774**.

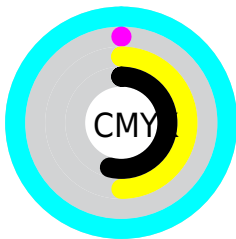
Distribution



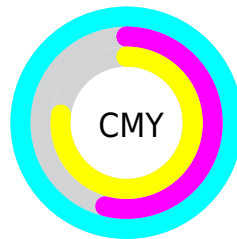
- Red (0%)
- Green (46%)
- Blue (23%)



- Red (0%)
- Yellow (31%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0281, 0.2710, 0.4955 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 13.0281, 0.2710, 0.4955 by changing the saturation by 10% instead.


 13.0281, 0.2710,
0.4955


 13.0281, 0.2710,
0.4955


211.0977, 0.3001,
0.3881

 7.4479, 0.2582,
0.5360


 31.3543, 0.2847,
0.4480


 3.7438, 0.2359,
0.6001

 44.8690, 0.2888,
0.4330

 1.5313, 0.1667,
0.8333

 61.7974, 0.2918,
0.4214

 0.3106, 0.0000,
1.0000

 82.5238, 0.2942,
0.4120


 0.0000, 0.0000,
0.0000


 107.4326, 0.2961,
0.4044

 136.9083, 0.2977,


0.3980


 171.3352, 0.2990,
0.3927


 13.0281, 0.2710,
0.4955


 13.0281, 0.2710,
0.4955


 13.0277, 0.2710,
0.4956

 13.1683, 0.2694,
0.4774

 13.3503, 0.2689,
0.4588

 13.6010, 0.2702,
0.4398

 13.9276, 0.2732,
0.4210

 14.3365, 0.2776,
0.4028

■ 14.8332, 0.2833,
0.3855

■ 15.4230, 0.2900,
0.3694

■ 16.1105, 0.2972,
0.3545

■ 16.9001, 0.3049,
0.3410

Harmonies

Analogous

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



13.0281, 0.3662, 0.5233



13.0281, 0.2710, 0.4955



13.0281, 0.1923, 0.3871

Triad

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



13.0281, 0.2710, 0.4955



13.0281, 0.1720, 0.1811



13.0281, 0.5072, 0.3345

Complementary

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



13.0281, 0.2710, 0.4955



4.1006, 0.4855, 0.2449

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.



13.0281, 0.4365, 0.2695



13.0281, 0.2710, 0.4955



13.0281, 0.2332, 0.1859

Square

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



13.0281, 0.2710, 0.4955



13.0281, 0.1450, 0.2074



13.0281, 0.3288, 0.2169



13.0281, 0.5090, 0.4052

Rectangle

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



13.0281, 0.2710, 0.4955



13.0281, 0.1599, 0.3083



13.0281, 0.3288, 0.2169



13.0281, 0.4907, 0.3120

Sweetspot

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



13.0286, 0.2710, 0.4955



27.5216, 0.2894, 0.3707



13.6990, 0.3416, 0.5669



6.2444, 0.2871, 0.3759



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.



13.0286, 0.2710, 0.4955



23.3010, 0.2722, 0.4999



13.9623, 0.2260, 0.3336



4.1256, 0.3056, 0.3399



14.3503, 0.2712, 0.4964



69.7580, 0.2738, 0.5055

Inverse Universe

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



4.1006, 0.4855, 0.2449



7.3114, 0.4909, 0.2478



3.7882, 0.6368, 0.3283



3.7288, 0.3205, 0.3183



4.5123, 0.4866, 0.2454



21.8158, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 13.0281, 0.2710, 0.4955 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 13.0281, 0.2710, 0.4955 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 13.0281, 0.2710, 0.4955

Background



This preview shows how black text looks on a background with the Yxy color 13.0281, 0.2710, 0.4955.



This preview shows how white text looks on a background with the Yxy color 13.0281, 0.2710, 0.4955.

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

13.0281, 0.2710, 0.4955

Protanopia

12.9348, 0.3958, 0.4328

Deuteranopia

12.8622, 0.4037, 0.3962



Tritanopia

13.0417, 0.2352, 0.3071

Trichromacy



Original Color

13.0281, 0.2710, 0.4955

Protanomaly

12.1213, 0.3275, 0.4658

Deuteranomaly

11.8573, 0.3306, 0.4388

Tritanomaly

12.9345, 0.2458, 0.3711

Monochromacy



Original Color

13.0281, 0.2710, 0.4955

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

8.3704, 0.2799, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0281, 0.2710, 0.4955 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, 117, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 58)  
}
```

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, 117, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.0281, 0.2710, 0.4955 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, 117, 58) }
```

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

```
.border{ border-color:rgb(0, 117, 58) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0281, 0.2710, 0.4955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 58) }
```

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

```
.background{ background-color: rgb(0, 117,  
58) }
```

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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