

Converting Colors

$Y_{xy}(10.8240, 0.1099, 0.5991)$

Have a look what the booklet for
Yxy(10.8240, 0.1099, 0.5991)
contains.

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Color

Yxy(13.4416, 0.2763, 0.5146)

Conversions

Conversions Part 1

Format	Color
Hex	007734
RGB	0, 119, 52
RGB Percent	0%, 47%, 20%
CMY	0.9997, 0.5333, 0.7961
CMYK	1.00, 0.00, 0.56, 0.53
HSL	146°, 100%, 23%
HSV	146°, 100%, 47%
XYZ	7.2171, 13.4416, 5.4618
YIQ	75.7810, -49.4170, -46.0650

Conversions

Conversions Part 2

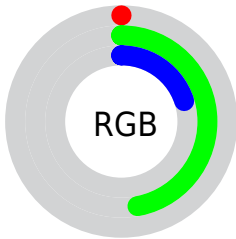
Format	Color
RYB	0, 83, 119
Decimal	30516
CIELab	43.42, -44.40, 28.69
CIELCh	43, 52.861, 147.129
Yxy	13.4416, 0.2763, 0.5146
Android (android.graphics.Color)	4278220596 (0xFF007734)
YUV	75.7810, -11.7240, -66.4599
Hunter-Lab	36.6628, -29.0221, 16.8313

Details

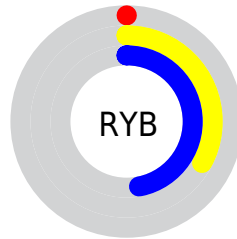
The Yxy color **13.4416, 0.2763, 0.5146** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3296, 0.4622, 0.2321**, and the grayscale version is **7.2175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9616, 0.2896, 0.4621**, and **4.2672, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **13.4414, 0.2763, 0.5147**, and if you desaturate by 10%, it is **13.5844, 0.2744, 0.4951**.

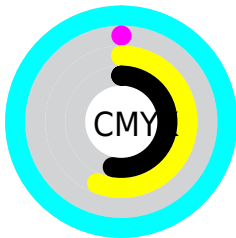
Distribution



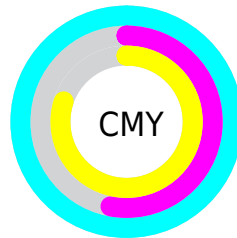
- Red (0%)
- Green (47%)
- Blue (20%)



- Red (0%)
- Yellow (33%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4416, 0.2763, 0.5146 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 13.4416, 0.2763, 0.5146 by changing the saturation by 10% instead.


 13.4416, 0.2763,
0.5146


 13.4416, 0.2763,
0.5146


213.7288, 0.3031,
0.3951


 7.7333, 0.2635,
0.5589


 32.0949, 0.2895,
0.4620


 3.9248, 0.2408,
0.6284

 45.8087, 0.2932,
0.4453


 1.6316, 0.1675,
0.8325

 62.9598, 0.2960,
0.4323

 0.3788, 0.0000,
1.0000

 83.9326, 0.2981,
0.4219


 0.0000, 0.0000,
0.0000

 109.1115, 0.2997,
0.4133

 138.8809, 0.3011,

0.4062

 173.6252, 0.3022,
0.4002


 13.4416, 0.2763,
0.5146

 13.4416, 0.2763,
0.5146


 13.4414, 0.2763,
0.5147

 13.5844, 0.2744,
0.4951

 13.7727, 0.2736,
0.4747

 14.0340, 0.2744,
0.4537

 14.3759, 0.2770,
0.4326

 14.8052, 0.2810,
0.4121

■ 15.3277, 0.2861,
0.3926

■ 15.9490, 0.2921,
0.3744

■ 16.6740, 0.2987,
0.3577

■ 17.5073, 0.3057,
0.3425

Harmonies

Analogous

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



13.4416, 0.3761, 0.5323



13.4416, 0.2763, 0.5146



13.4416, 0.1916, 0.4029

Triad

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



13.4416, 0.2763, 0.5146



13.4416, 0.1614, 0.1751



13.4416, 0.5146, 0.3265

Complementary

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



13.4416, 0.2763, 0.5146



4.3296, 0.4622, 0.2321

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.



13.4416, 0.4339, 0.2602



13.4416, 0.2763, 0.5146



13.4416, 0.2212, 0.1777

Square

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



13.4416, 0.2763, 0.5146



13.4416, 0.1366, 0.2053



13.4416, 0.3186, 0.2075



13.4416, 0.5217, 0.3992

Rectangle

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



13.4416, 0.2763, 0.5146



13.4416, 0.1558, 0.3168



13.4416, 0.3186, 0.2075



13.4416, 0.4950, 0.3035

Sweetspot

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



13.4421, 0.2763, 0.5146



28.4620, 0.2916, 0.3758



14.4037, 0.3486, 0.5614



6.6515, 0.2895, 0.3819



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.



13.4421, 0.2763, 0.5146



24.0425, 0.2775, 0.5191



14.3436, 0.2302, 0.3486



4.1223, 0.3063, 0.3412



14.2786, 0.2765, 0.5152



69.4155, 0.2791, 0.5247

Inverse Universe

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



4.3296, 0.4622, 0.2321



7.7217, 0.4668, 0.2345



3.9410, 0.6283, 0.3236



3.7322, 0.3197, 0.3171



4.5960, 0.4629, 0.2324



22.2225, 0.4726, 0.2377

Previews

White Background



This preview shows how the Yxy color 13.4416, 0.2763, 0.5146 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 13.4416, 0.2763, 0.5146 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 13.4416, 0.2763, 0.5146

Background



This preview shows how black text looks on a background with the Yxy color 13.4416, 0.2763, 0.5146.



This preview shows how white text looks on a background with the Yxy color 13.4416, 0.2763, 0.5146.

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

13.4416, 0.2763, 0.5146

Protanopia

13.2854, 0.4054, 0.4414

Deuteranopia

13.4008, 0.4135, 0.4078



Tritanopia

13.5732, 0.2360, 0.3074

Trichromacy



Original Color

13.4416, 0.2763, 0.5146



Protanomaly

12.3633, 0.3350, 0.4780



Deuteranomaly

12.2991, 0.3385, 0.4537



Tritanomaly

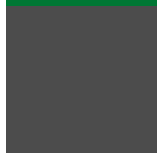
13.3820, 0.2483, 0.3786

Monochromacy



Original Color

13.4416, 0.2763, 0.5146



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

8.6879, 0.2829, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4416, 0.2763, 0.5146 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, 119, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 52)  
}
```

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, 119, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 52) }
```

Border

The CSS property to change the border of an element to Yxy 13.4416, 0.2763, 0.5146 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, 119, 52) }
```

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

```
.border{ border-color:rgb(0, 119, 52) }
```

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

Here you see how a box with a 4 pixel rgb(0, 119, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.4416, 0.2763, 0.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 52) }
```

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

```
.background{ background-color: rgb(0, 119,  
52) }
```

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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