

Converting Colors

$Yxy(13.8206, 0.2640, 0.4703)$

Have a look what the booklet for
Yxy(13.8206, 0.2640, 0.4703)
contains.

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Color

Yxy(13.8626, 0.2637, 0.4691)

Conversions

Conversions Part 1

Format	Color
Hex	007845
RGB	0, 120, 69
RGB Percent	0%, 47%, 27%
CMY	0.9992, 0.5294, 0.7294
CMYK	1.00, 0.00, 0.42, 0.53
HSL	154°, 100%, 24%
HSV	154°, 100%, 47%
XYZ	7.7927, 13.8626, 7.8962
YIQ	78.3060, -55.1490, -41.3010

Conversions

Conversions Part 2

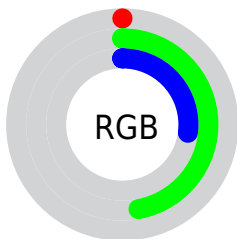
Format	Color
RYB	0, 76, 120
Decimal	30789
CIELab	44.04, -41.56, 20.11
CIELCh	44, 46.167, 154.183
Yxy	13.8626, 0.2637, 0.4691
Android (android.graphics.Color)	4278220869 (0xFF007845)
YUV	78.3060, -4.5879, -68.6744
Hunter-Lab	37.2325, -27.7970, 13.4887

Details

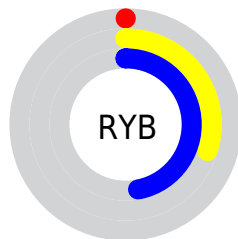
The Yxy color **13.8626, 0.2637, 0.4691** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2383, 0.5179, 0.2629**, and the grayscale version is **7.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7316, 0.2779, 0.4292**, and **4.4463, 0.2804, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **13.8606, 0.2637, 0.4694**, and if you desaturate by 10%, it is **14.0077, 0.2625, 0.4534**.

Distribution



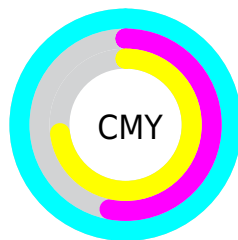
- Red (0%)
- Green (47%)
- Blue (27%)



- Red (0%)
- Yellow (30%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8626, 0.2637, 0.4691 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 13.8626, 0.2637, 0.4691 by changing the saturation by 10% instead.


 13.8626, 0.2637,
0.4691

 13.8626, 0.2637,
0.4691


216.3744, 0.2958,
0.3798


 8.0252, 0.2511,
0.5022


 32.8450, 0.2781,
0.4300


 4.1111, 0.2306,
0.5545

 46.7588, 0.2825,
0.4176

 1.7359, 0.1861,
0.6987

 64.1335, 0.2860,
0.4078

 0.4467, 0.0000,
1.0000

 85.3535, 0.2888,
0.4000

 0.0000, 0.0000,
0.0000


 110.8032, 0.2910,
0.3936

 140.8670, 0.2929,

0.3882


 175.9292, 0.2944,
0.3837

 13.8626, 0.2637,
0.4691


 13.8626, 0.2637,
0.4691


 13.8606, 0.2637,
0.4694

 14.0077, 0.2625,
0.4534

 14.1966, 0.2625,
0.4376

 14.4562, 0.2644,
0.4216

 14.7942, 0.2679,
0.4059

 15.2173, 0.2731,
0.3907

■ 15.7313, 0.2796,
0.3763

■ 16.3417, 0.2870,
0.3628

■ 17.0533, 0.2952,
0.3504

■ 17.8707, 0.3039,
0.3390

Harmonies

Analogous

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



13.8626, 0.3522, 0.5087



13.8626, 0.2637, 0.4691



13.8626, 0.1937, 0.3668

Triad

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



13.8626, 0.2637, 0.4691



13.8626, 0.1874, 0.1897



13.8626, 0.4962, 0.3455

Complementary

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



13.8626, 0.2637, 0.4691



4.2383, 0.5179, 0.2629

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.



13.8626, 0.4389, 0.2825



13.8626, 0.2637, 0.4691



13.8626, 0.2502, 0.1977

Square

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



13.8626, 0.2637, 0.4691



13.8626, 0.1572, 0.2108



13.8626, 0.3423, 0.2304



13.8626, 0.4910, 0.4127

Rectangle

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



13.8626, 0.2637, 0.4691



13.8626, 0.1661, 0.2977



13.8626, 0.3423, 0.2304



13.8626, 0.4838, 0.3238

Sweetspot

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



13.8632, 0.2637, 0.4691



28.6387, 0.2863, 0.3640



14.1657, 0.3307, 0.5755



6.6969, 0.2837, 0.3685



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.



13.8632, 0.2637, 0.4691



24.3531, 0.2647, 0.4730



12.9481, 0.2192, 0.3089



4.4849, 0.3046, 0.3383



15.1193, 0.2639, 0.4700



71.9477, 0.2661, 0.4778

Inverse Universe

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



4.2383, 0.5179, 0.2629



7.4190, 0.5241, 0.2661



4.1713, 0.6316, 0.3363



4.0407, 0.3217, 0.3199



4.6150, 0.5194, 0.2635



21.8509, 0.5318, 0.2703

Previews

White Background



This preview shows how the Yxy color 13.8626, 0.2637, 0.4691 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 13.8626, 0.2637, 0.4691 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 13.8626, 0.2637, 0.4691

Background



This preview shows how black text looks on a background with the Yxy color 13.8626, 0.2637, 0.4691.



This preview shows how white text looks on a background with the Yxy color 13.8626, 0.2637, 0.4691.

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

13.8626, 0.2637, 0.4691

Protanopia

13.7702, 0.3822, 0.4158

Deuteranopia

13.6290, 0.3865, 0.3799



Tritanopia

14.0002, 0.2336, 0.3076

Trichromacy



Original Color

13.8626, 0.2637, 0.4691

Protanomaly

12.9112, 0.3160, 0.4434

Deuteranomaly

12.6030, 0.3165, 0.4169

Tritanomaly

13.7169, 0.2421, 0.3621

Monochromacy



Original Color

13.8626, 0.2637, 0.4691

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.0148, 0.2758, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8626, 0.2637, 0.4691 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 69) }
```

Border

The CSS property to change the border of an element to Yxy 13.8626, 0.2637, 0.4691 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, 69) }
```

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

```
.border{ border-color:rgb(0, 120, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8626, 0.2637, 0.4691 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, 69) }
```

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

```
.background{ background-color: rgb(0, 120,  
69) }
```

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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