

Converting Colors

$Y_{xy}(13.3407, 0.2783, 0.4701)$

Have a look what the booklet for
Yxy(13.3407, 0.2783, 0.4701)
contains.

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Color

Yxy(13.4276, 0.2783, 0.4704)

Conversions

Conversions Part 1

Format	Color
Hex	217541
RGB	33, 117, 65
RGB Percent	13%, 46%, 25%
CMY	0.8703, 0.5412, 0.7451
CMYK	0.72, 0.00, 0.44, 0.54
HSL	143°, 56%, 29%
HSV	143°, 72%, 46%
XYZ	7.9441, 13.4276, 7.1734
YIQ	85.9560, -33.3720, -33.9800

Conversions

Conversions Part 2

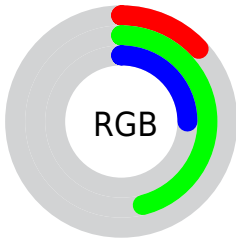
Format	Color
RYB	33, 94, 117
Decimal	2192705
CIELab	43.40, -37.43, 21.64
CIElCh	43, 43.231, 149.965
Yxy	13.4276, 0.2783, 0.4704
Android (android.graphics.Color)	4280382785 (0xFF217541)
YUV	85.9560, -10.3313, -46.4424
Hunter-Lab	36.6437, -25.4289, 14.0440

Details

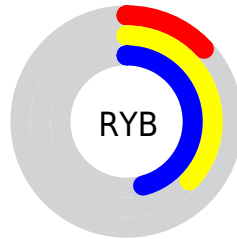
The Yxy color **13.4276, 0.2783, 0.4704** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.5302, 0.3931, 0.2283**, and the grayscale version is **9.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0882, 0.2886, 0.4301**, and **4.1884, 0.2826, 0.5375** is the 20% darker color. If you saturate the color by 10%, you get **13.1885, 0.2780, 0.4931**, and if you desaturate by 10%, it is **13.7458, 0.2802, 0.4473**.

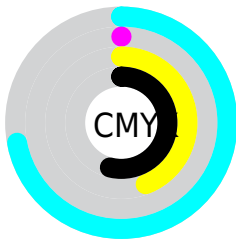
Distribution



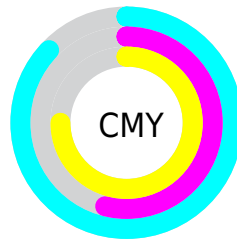
- Red (13%)
- Green (46%)
- Blue (25%)



- Red (13%)
- Yellow (37%)
- Blue (46%)



- Cyan (72%)
- Magenta (0%)
- Yellow (44%)
- Black (54%)




- Cyan (87%)
- Magenta (54%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4276, 0.2783, 0.4704 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 13.4276, 0.2783, 0.4704 by changing the saturation by 10% instead.


 13.4276, 0.2783,
0.4704

 13.4276, 0.2783,
0.4704


 213.6402, 0.3019,
0.3801


 7.7236, 0.2682,
0.5040


 32.0699, 0.2893,
0.4308


 3.9186, 0.2509,
0.5571

 45.7770, 0.2926,
0.4182


 1.6281, 0.2229,
0.7311

 62.9206, 0.2950,
0.4084

 0.3765, 0.0000,
1.0000

 83.8851, 0.2970,
0.4005

 0.0000, 0.0000,
0.0000

 109.0550, 0.2986,
0.3940

 138.8145, 0.2999,

0.3886

173.5481, 0.3009,
0.3840

■ 13.4276, 0.2783,
0.4704

■ 13.4276, 0.2783,
0.4704

■ 13.1885, 0.2780,
0.4931

■ 13.7458, 0.2802,
0.4473

■ 13.0191, 0.2794,
0.5145

■ 14.1481, 0.2835,
0.4246

■ 12.9078, 0.2809,
0.5312

■ 14.6410, 0.2880,
0.4028

■ 15.2298, 0.2933,
0.3825

■ 15.9194, 0.2991,
0.3637

■ 16.7146, 0.3053,
0.3467

■ 17.6195, 0.3116,
0.3315

■ 18.6382, 0.3179,
0.3179

■ 19.7746, 0.3241,
0.3059

Harmonies

Analogous

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



13.4276, 0.3635, 0.4981



13.4276, 0.2783, 0.4704



13.4276, 0.2072, 0.3797

Triad

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



13.4276, 0.2783, 0.4704



13.4276, 0.1870, 0.1968



13.4276, 0.4825, 0.3371

Complementary

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



13.4276, 0.2783, 0.4704



5.5302, 0.3931, 0.2283

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.



13.4276, 0.4207, 0.2772



13.4276, 0.2783, 0.4704



13.4276, 0.2431, 0.2006

Square

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



13.4276, 0.2783, 0.4704



13.4276, 0.1620, 0.2222



13.4276, 0.3278, 0.2290



13.4276, 0.4868, 0.4015

Rectangle

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



13.4276, 0.2783, 0.4704



13.4276, 0.1770, 0.3128



13.4276, 0.3278, 0.2290



13.4276, 0.4677, 0.3163

Sweetspot

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



13.4281, 0.2783, 0.4704



28.3984, 0.2986, 0.3652



14.8213, 0.3610, 0.5099



6.4687, 0.2974, 0.3689



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.



13.4281, 0.2783, 0.4704



23.4076, 0.2787, 0.5072



14.0831, 0.2428, 0.3569



4.1191, 0.3070, 0.3424



14.2192, 0.2811, 0.5321



69.1365, 0.2838, 0.5417

Inverse Universe

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



5.5302, 0.3931, 0.2283



8.3023, 0.4201, 0.2200



5.0570, 0.5104, 0.3094



3.7354, 0.3189, 0.3159



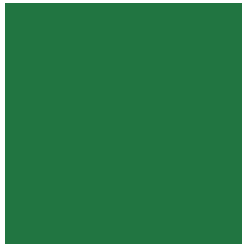
4.6864, 0.4407, 0.2202



22.6664, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 13.4276, 0.2783, 0.4704 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 13.4276, 0.2783, 0.4704 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 13.4276, 0.2783, 0.4704

Background



This preview shows how black text looks on a background with the Yxy color 13.4276, 0.2783, 0.4704.



This preview shows how white text looks on a background with the Yxy color 13.4276, 0.2783, 0.4704.

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

13.4276, 0.2783, 0.4704

Protanopia

13.2633, 0.3875, 0.4205

Deuteranopia

13.3151, 0.3917, 0.3863



Tritanopia

13.4818, 0.2405, 0.3075

Trichromacy



Original Color

13.4276, 0.2783, 0.4704

Protanomaly

12.6913, 0.3367, 0.4420

Deuteranomaly

12.6942, 0.3394, 0.4178

Tritanomaly

13.3112, 0.2537, 0.3619

Monochromacy



Original Color

13.4276, 0.2783, 0.4704

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2927, 0.2946, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4276, 0.2783, 0.4704 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(33, 117, 65)` looks like.

```
.text, #text, p{  
  color:rgb(33, 117, 65)  
}
```

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(33, 117, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 117, 65) }
```

Border

The CSS property to change the border of an element to Yxy 13.4276, 0.2783, 0.4704 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(33, 117, 65) }
```

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

```
.border{ border-color:rgb(33, 117, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 117, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 117, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 117, 65);  
box-shadow:4px 4px 4px 4px rgb(33, 117,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4276, 0.2783, 0.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 117, 65) }
```

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

```
.background{ background-color: rgb(33, 117,  
65) }
```

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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