

Converting Colors

$Y_{xy}(13.7866, 0.2809, 0.4454)$

Have a look what the booklet for
Yxy(13.7866, 0.2809, 0.4454)
contains.

Yxy(13.7845, 0.2805, 0.4449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7845, 0.2805, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	2E7549
RGB	46, 117, 73
RGB Percent	18%, 46%, 29%
CMY	0.8196, 0.5412, 0.7137
CMYK	0.61, 0.00, 0.38, 0.54
HSL	143°, 44%, 32%
HSV	143°, 61%, 46%
XYZ	8.6908, 13.7845, 8.5080
YIQ	90.7550, -28.1920, -28.7360

Conversions

Conversions Part 2

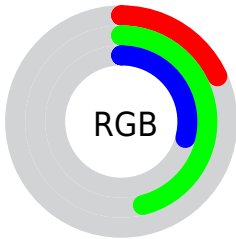
Format	Color
RYB	46, 97, 117
Decimal	3044681
CIELab	43.92, -33.03, 17.81
CIElCh	44, 37.525, 151.665
Yxy	13.7845, 0.2805, 0.4449
Android (android.graphics.Color)	4281234761 (0xFF2E7549)
YUV	90.7550, -8.7532, -39.2501
Hunter-Lab	37.1275, -23.1897, 12.4025

Details

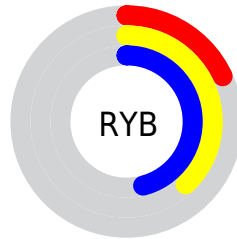
The Yxy color **13.7845, 0.2805, 0.4449** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.4738, 0.3760, 0.2396**, and the grayscale version is **10.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8072, 0.2902, 0.4133**, and **4.2181, 0.2747, 0.5090** is the 20% darker color. If you saturate the color by 10%, you get **13.4588, 0.2784, 0.4680**, and if you desaturate by 10%, it is **14.1966, 0.2840, 0.4223**.

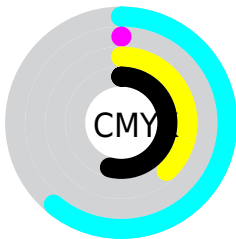
Distribution



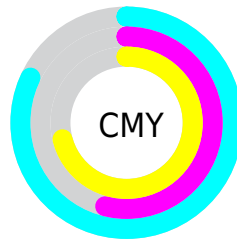
- Red (18%)
- Green (46%)
- Blue (29%)



- Red (18%)
- Yellow (38%)
- Blue (46%)



- Cyan (61%)
- Magenta (0%)
- Yellow (38%)
- Black (54%)





- Cyan (82%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7845, 0.2805, 0.4449 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 13.7845, 0.2805, 0.4449 by changing the saturation by 10% instead.


 13.7845, 0.2805,
0.4449


 13.7845, 0.2805,
0.4449


215.8860, 0.3018,
0.3716


 7.9709, 0.2720,
0.4718


 32.7062, 0.2901,
0.4130


 4.0764, 0.2578,
0.5142

 46.5831, 0.2931,
0.4028

 1.7164, 0.2346,
0.6112

 63.9165, 0.2954,
0.3948

 0.4342, 0.0000,
1.0000

 85.0909, 0.2972,
0.3883

 0.0000, 0.0000,
0.0000

 110.4907, 0.2986,
0.3830

 140.5002, 0.2999,

0.3786

175.5039, 0.3009,
0.3748

■ 13.7845, 0.2805,
0.4449

■ 13.7845, 0.2805,
0.4449

■ 13.4588, 0.2784,
0.4680

■ 14.1966, 0.2840,
0.4223

■ 13.2113, 0.2779,
0.4907

■ 14.6994, 0.2885,
0.4006

■ 13.0349, 0.2791,
0.5124

■ 15.2986, 0.2939,
0.3804

■ 12.9088, 0.2809,
0.5312

■ 15.9992, 0.2998,
0.3618

■ 16.8057, 0.3060,
0.3450

■ 17.7225, 0.3123,
0.3300

■ 18.7535, 0.3186,
0.3166

■ 19.9025, 0.3247,
0.3048

■ 21.1733, 0.3307,
0.2944

Harmonies

Analogous

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



13.7845, 0.3554, 0.4743



13.7845, 0.2805, 0.4449



13.7845, 0.2185, 0.3680

Triad

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



13.7845, 0.2805, 0.4449



13.7845, 0.2039, 0.2119



13.7845, 0.4609, 0.3418

Complementary

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



13.7845, 0.2805, 0.4449



6.4738, 0.3760, 0.2396

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.



13.7845, 0.4100, 0.2872



13.7845, 0.2805, 0.4449



13.7845, 0.2560, 0.2161

Square

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



13.7845, 0.2805, 0.4449



13.7845, 0.1797, 0.2342



13.7845, 0.3311, 0.2428



13.7845, 0.4637, 0.3994

Rectangle

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



13.7845, 0.2805, 0.4449



13.7845, 0.1920, 0.3122



13.7845, 0.3311, 0.2428



13.7845, 0.4488, 0.3229

Sweetspot

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



13.7851, 0.2805, 0.4449



28.9530, 0.3011, 0.3580



15.1428, 0.3576, 0.4849



6.5827, 0.2997, 0.3621



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.



13.7851, 0.2805, 0.4449



23.8973, 0.2780, 0.4776



14.3767, 0.2490, 0.3520



4.1191, 0.3070, 0.3424



14.2193, 0.2811, 0.5321



69.1368, 0.2838, 0.5416

Inverse Universe

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



6.4738, 0.3760, 0.2396



9.5165, 0.3982, 0.2258



6.0162, 0.4649, 0.3103



3.7354, 0.3189, 0.3159



4.6863, 0.4408, 0.2202



22.6660, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 13.7845, 0.2805, 0.4449 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 13.7845, 0.2805, 0.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

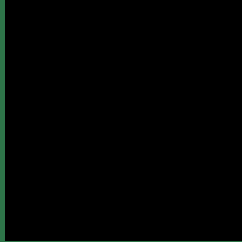
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7845, 0.2805, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 13.7845, 0.2805, 0.4449.



This preview shows how white text looks on a background with the Yxy color 13.7845, 0.2805, 0.4449.

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

13.7845, 0.2805, 0.4449

Protanopia

13.5505, 0.3761, 0.4062

Deuteranopia

13.5971, 0.3805, 0.3741



Tritanopia

13.6856, 0.2460, 0.3078

Trichromacy



Original Color

13.7845, 0.2805, 0.4449

Protanomaly

13.2295, 0.3340, 0.4224

Deuteranomaly

13.2096, 0.3347, 0.3992

Tritanomaly

13.6018, 0.2581, 0.3536

Monochromacy



Original Color

13.7845, 0.2805, 0.4449

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.2503, 0.2981, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7845, 0.2805, 0.4449 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(46, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(46, 117, 73)  
}
```

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(46, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 117, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.7845, 0.2805, 0.4449 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(46, 117, 73) }
```

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

```
.border{ border-color:rgb(46, 117, 73) }
```

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

Here you see how a box with a 4 pixel rgb(46, 117, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(46, 117,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7845, 0.2805, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 117, 73) }
```

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

```
.background{ background-color: rgb(46, 117,  
73) }
```

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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