

Converting Colors

$Y_{xy}(14.2920, 0.2810, 0.4629)$

Have a look what the booklet for
Yxy(14.2920, 0.2810, 0.4629)
contains.

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Color

Yxy(14.3340, 0.2810, 0.4627)

Conversions

Conversions Part 1

Format	Color
Hex	297845
RGB	41, 120, 69
RGB Percent	16%, 47%, 27%
CMY	0.8392, 0.5294, 0.7294
CMYK	0.66, 0.00, 0.42, 0.53
HSL	141°, 49%, 32%
HSV	141°, 66%, 47%
XYZ	8.7051, 14.3340, 7.9399
YIQ	90.5650, -30.7130, -32.6090

Conversions

Conversions Part 2

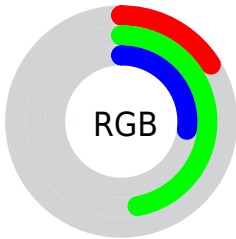
Format	Color
RYB	41, 99, 120
Decimal	2717765
CIELab	44.71, -36.29, 21.11
CIELCh	45, 41.987, 149.813
Yxy	14.3340, 0.2810, 0.4627
Android (android.graphics.Color)	4280907845 (0xFF297845)
YUV	90.5650, -10.6315, -43.4685
Hunter-Lab	37.8603, -25.2135, 14.0681

Details

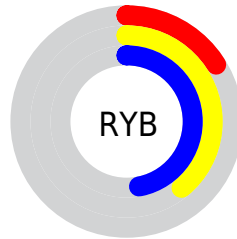
The Yxy color **14.3340, 0.2810, 0.4627** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.3510, 0.3791, 0.2300**, and the grayscale version is **10.3878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6819, 0.2911, 0.4256**, and **4.4463, 0.2804, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **14.0344, 0.2799, 0.4866**, and if you desaturate by 10%, it is **14.7226, 0.2836, 0.4388**.

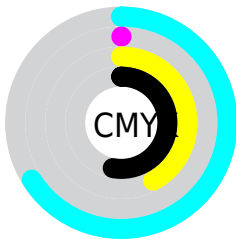
Distribution



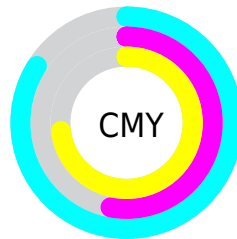
- Red (16%)
- Green (47%)
- Blue (27%)



- Red (16%)
- Yellow (39%)
- Blue (47%)



- Cyan (66%)
- Magenta (0%)
- Yellow (42%)
- Black (53%)




- Cyan (84%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3340, 0.2810, 0.4627 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 14.3340, 0.2810, 0.4627 by changing the saturation by 10% instead.


 14.3340, 0.2810,
0.4627


 14.3340, 0.2810,
0.4627


219.2989, 0.3025,
0.3782


 8.3533, 0.2720,
0.4935


 33.6805, 0.2909,
0.4260


 4.3219, 0.2569,
0.5416

 47.8151, 0.2939,
0.4142

 1.8552, 0.2352,
0.6593

 65.4365, 0.2962,
0.4050

 0.5212, 0.0000,
1.0000

 86.9291, 0.2980,
0.3975

 0.0000, 0.0000,
0.0000

 112.6772, 0.2995,
0.3914

 143.0653, 0.3006,

0.3863

178.4777, 0.3016,
0.3819

■ 14.3340, 0.2810,
0.4627

■ 14.3340, 0.2810,
0.4627

■ 14.0344, 0.2799,
0.4866

■ 14.7226, 0.2836,
0.4388

■ 13.8145, 0.2804,
0.5095

■ 15.2051, 0.2874,
0.4155

■ 13.6612, 0.2823,
0.5306

■ 15.7880, 0.2921,
0.3935

■ 13.6047, 0.2830,
0.5390

■ 16.4769, 0.2975,
0.3732

■ 17.2769, 0.3033,
0.3546

■ 18.1927, 0.3092,
0.3379

■ 19.2287, 0.3152,
0.3230

■ 20.3893, 0.3211,
0.3099

■ 21.6783, 0.3268,
0.2983

Harmonies

Analogous

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



14.3340, 0.3626, 0.4896



14.3340, 0.2810, 0.4627



14.3340, 0.2125, 0.3778

Triad

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



14.3340, 0.2810, 0.4627



14.3340, 0.1919, 0.2023



14.3340, 0.4741, 0.3374

Complementary

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



14.3340, 0.2810, 0.4627



6.3510, 0.3791, 0.2300

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.



14.3340, 0.4151, 0.2795



14.3340, 0.2810, 0.4627



14.3340, 0.2460, 0.2056

Square

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



14.3340, 0.2810, 0.4627



14.3340, 0.1679, 0.2274



14.3340, 0.3269, 0.2329



14.3340, 0.4792, 0.3995

Rectangle

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



14.3340, 0.2810, 0.4627



14.3340, 0.1831, 0.3147



14.3340, 0.3269, 0.2329



14.3340, 0.4598, 0.3173

Sweetspot

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



14.3346, 0.2810, 0.4627



29.7067, 0.3005, 0.3630



15.8869, 0.3613, 0.4964



6.9652, 0.2992, 0.3673



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.



14.3346, 0.2810, 0.4627



24.4692, 0.2799, 0.4984



14.9907, 0.2468, 0.3577



4.4713, 0.3073, 0.3431



14.8388, 0.2833, 0.5397



70.6339, 0.2858, 0.5489

Inverse Universe

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



6.3510, 0.3791, 0.2300



9.2615, 0.4014, 0.2177



5.8342, 0.4829, 0.3070



4.0545, 0.3186, 0.3153



4.9449, 0.4312, 0.2149



23.4211, 0.4384, 0.2189

Previews

White Background



This preview shows how the Yxy color 14.3340, 0.2810, 0.4627 looks on a white background.

Color Contrast Check

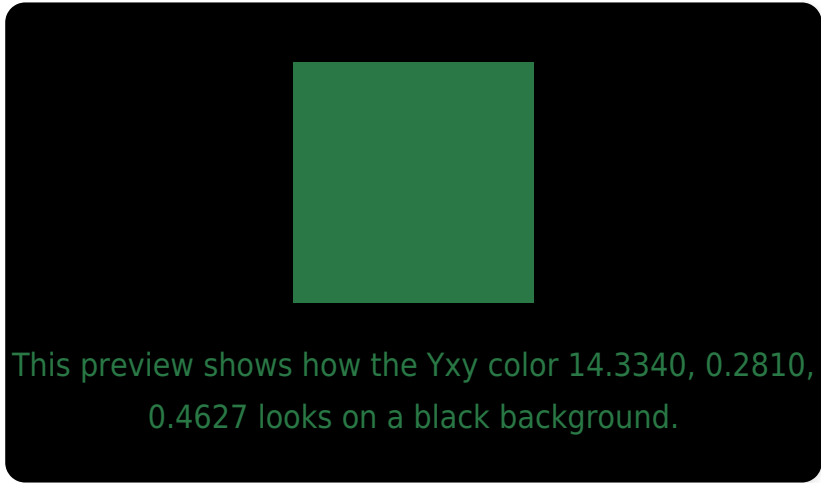
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 14.3340, 0.2810, 0.4627

Background



This preview shows how black text looks on a background with the Yxy color 14.3340, 0.2810, 0.4627.



This preview shows how white text looks on a background with the Yxy color 14.3340, 0.2810, 0.4627.

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

14.3340, 0.2810, 0.4627

Protanopia

14.1069, 0.3844, 0.4166

Deuteranopia

14.1617, 0.3881, 0.3831



Tritanopia

14.3642, 0.2432, 0.3081

Trichromacy



Original Color

14.3340, 0.2810, 0.4627

Protanomaly

13.6082, 0.3379, 0.4357

Deuteranomaly

13.5727, 0.3390, 0.4127

Tritanomaly

14.2001, 0.2569, 0.3609

Monochromacy



Original Color

14.3340, 0.2810, 0.4627

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.5437, 0.2967, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3340, 0.2810, 0.4627 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(41, 120, 69)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 120, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 120, 69) }
```

Border

The CSS property to change the border of an element to Yxy 14.3340, 0.2810, 0.4627 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(41, 120, 69) }
```

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

```
.border{ border-color:rgb(41, 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(41, 120, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 120, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 120, 69);  
box-shadow:4px 4px 4px 4px rgb(41, 120,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3340, 0.2810, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 120, 69) }
```

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

```
.background{ background-color: rgb(41, 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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