

Converting Colors

$Y_{xy}(14.2117, 0.2741, 0.4593)$

Have a look what the booklet for
Yxy(14.2117, 0.2741, 0.4593)
contains.

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Color

Yxy(14.2112, 0.2740, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	217847
RGB	33, 120, 71
RGB Percent	13%, 47%, 28%
CMY	0.8708, 0.5294, 0.7216
CMYK	0.73, 0.00, 0.41, 0.53
HSL	146°, 57%, 30%
HSV	146°, 73%, 47%
XYZ	8.4797, 14.2112, 8.2569
YIQ	88.4010, -36.1230, -33.6830

Conversions

Conversions Part 2

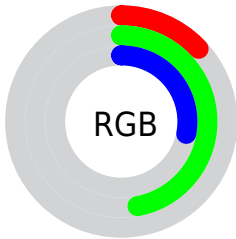
Format	Color
RYB	33, 94, 120
Decimal	2193479
CIELab	44.53, -37.51, 19.72
CIElCh	45, 42.372, 152.271
Yxy	14.2112, 0.2740, 0.4592
Android (android.graphics.Color)	4280383559 (0xFF217847)
YUV	88.4010, -8.5787, -48.5867
Hunter-Lab	37.6977, -25.8195, 13.4023

Details

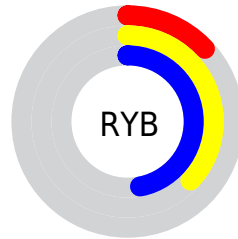
The Yxy color **14.2112, 0.2740, 0.4592** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.6869, 0.4079, 0.2364**, and the grayscale version is **9.8735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4169, 0.2855, 0.4230**, and **4.4549, 0.2782, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **13.9662, 0.2736, 0.4802**, and if you desaturate by 10%, it is **14.5377, 0.2761, 0.4381**.

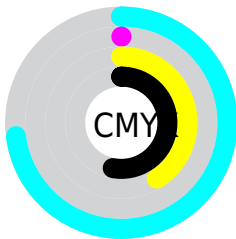
Distribution



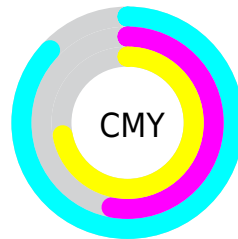
- Red (13%)
- Green (47%)
- Blue (28%)



- Red (13%)
- Yellow (37%)
- Blue (47%)



- Cyan (73%)
- Magenta (0%)
- Yellow (41%)
- Black (53%)





- Cyan (87%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2112, 0.2740, 0.4592 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 14.2112, 0.2740, 0.4592 by changing the saturation by 10% instead.


 14.2112, 0.2740,
0.4592

 14.2112, 0.2740,
0.4592


218.5408, 0.2995,
0.3768


 8.2677, 0.2638,
0.4894


 33.4633, 0.2855,
0.4233


 4.2667, 0.2471,
0.5367

 47.5407, 0.2891,
0.4118


 1.8239, 0.2183,
0.6488

 65.0982, 0.2918,
0.4028

 0.5020, 0.0000,
1.0000

 86.5202, 0.2940,
0.3956

 0.0000, 0.0000,
0.0000

 112.1910, 0.2958,
0.3896

 142.4951, 0.2972,

0.3846

177.8169, 0.2985,
0.3804

■ 14.2112, 0.2740,
0.4592

■ 14.2112, 0.2740,
0.4592

■ 13.9662, 0.2736,
0.4802

■ 14.5377, 0.2761,
0.4381

■ 13.7924, 0.2749,
0.5003

■ 14.9509, 0.2798,
0.4174

■ 13.6864, 0.2763,
0.5147

■ 15.4577, 0.2846,
0.3975

■ 16.0638, 0.2905,
0.3790

■ 16.7744, 0.2969,
0.3619

■ 17.5942, 0.3038,
0.3463

■ 18.5279, 0.3109,
0.3323

■ 19.5797, 0.3180,
0.3198

■ 20.7536, 0.3250,
0.3088

Harmonies

Analogous

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



14.2112, 0.3562, 0.4920



14.2112, 0.2740, 0.4592



14.2112, 0.2069, 0.3702

Triad

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



14.2112, 0.2740, 0.4592



14.2112, 0.1941, 0.2003



14.2112, 0.4786, 0.3423

Complementary

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



14.2112, 0.2740, 0.4592



5.6869, 0.4079, 0.2364

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.



14.2112, 0.4228, 0.2833



14.2112, 0.2740, 0.4592



14.2112, 0.2510, 0.2058

Square

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



14.2112, 0.2740, 0.4592



14.2112, 0.1674, 0.2229



14.2112, 0.3345, 0.2352



14.2112, 0.4790, 0.4050

Rectangle

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



14.2112, 0.2740, 0.4592



14.2112, 0.1791, 0.3071



14.2112, 0.3345, 0.2352



14.2112, 0.4657, 0.3219

Sweetspot

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



14.2118, 0.2740, 0.4592



29.5007, 0.2969, 0.3619



15.3504, 0.3535, 0.5170



6.9247, 0.2955, 0.3654



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.



14.2118, 0.2740, 0.4592



24.3471, 0.2743, 0.4935



14.9764, 0.2378, 0.3428



4.4764, 0.3063, 0.3413



14.9267, 0.2765, 0.5154



71.0369, 0.2791, 0.5247

Inverse Universe

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



5.6869, 0.4079, 0.2364



8.3832, 0.4406, 0.2308



5.2232, 0.5299, 0.3200



4.0493, 0.3197, 0.3170



4.8027, 0.4634, 0.2327



22.7360, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 14.2112, 0.2740, 0.4592 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 14.2112, 0.2740, 0.4592 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 14.2112, 0.2740, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 14.2112, 0.2740, 0.4592.



This preview shows how white text looks on a background with the Yxy color 14.2112, 0.2740, 0.4592.

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

14.2112, 0.2740, 0.4592

Protanopia

14.0622, 0.3803, 0.4131

Deuteranopia

13.9212, 0.3844, 0.3775



Tritanopia

14.2216, 0.2395, 0.3079

Trichromacy



Original Color

14.2112, 0.2740, 0.4592

Protanomaly

13.4884, 0.3313, 0.4324

Deuteranomaly

13.2339, 0.3325, 0.4071

Tritanomaly

14.0711, 0.2516, 0.3586

Monochromacy



Original Color

14.2112, 0.2740, 0.4592

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.9525, 0.2912, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2112, 0.2740, 0.4592 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, 120, 71)` looks like.

```
.text, #text, p{  
  color:rgb(33, 120, 71)  
}
```

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, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 120, 71) }
```

Border

The CSS property to change the border of an element to Yxy 14.2112, 0.2740, 0.4592 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, 120, 71) }
```

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

```
.border{ border-color:rgb(33, 120, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 120, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(33, 120,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2112, 0.2740, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 120, 71) }
```

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

```
.background{ background-color: rgb(33, 120,  
71) }
```

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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