

Converting Colors

$Y_{xy}(14.3523, 0.2696, 0.4200)$

Have a look what the booklet for
Yxy(14.3523, 0.2696, 0.4200)
contains.

Yxy(14.3692, 0.2694, 0.4192)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.3692, 0.2694, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	2C7754
RGB	44, 119, 84
RGB Percent	17%, 47%, 33%
CMY	0.8276, 0.5333, 0.6706
CMYK	0.63, 0.00, 0.29, 0.53
HSL	152°, 46%, 32%
HSV	152°, 63%, 47%
XYZ	9.2344, 14.3692, 10.6741
YIQ	92.5850, -33.4650, -26.7850

Conversions

Conversions Part 2

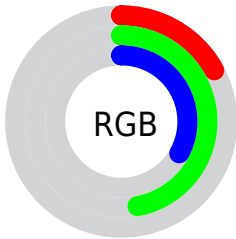
Format	Color
RYB	44, 93, 119
Decimal	2914132
CIELab	44.76, -32.03, 12.54
CIElCh	45, 34.395, 158.625
Yxy	14.3692, 0.2694, 0.4192
Android (android.graphics.Color)	4281104212 (0xFF2C7754)
YUV	92.5850, -4.2324, -42.6090
Hunter-Lab	37.9067, -22.8526, 9.8394

Details

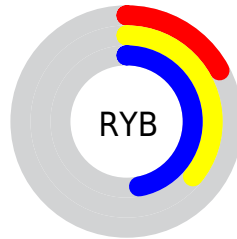
The Yxy color **14.3692, 0.2694, 0.4192** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.2848, 0.4084, 0.2588**, and the grayscale version is **10.8584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8229, 0.2810, 0.3945**, and **4.5268, 0.2624, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **14.0596, 0.2667, 0.4366**, and if you desaturate by 10%, it is **14.7624, 0.2737, 0.4022**.

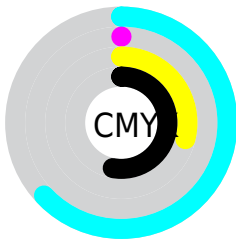
Distribution



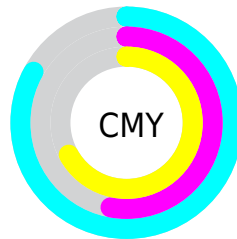
- Red (17%)
- Green (47%)
- Blue (33%)



- Red (17%)
- Yellow (36%)
- Blue (47%)



- Cyan (63%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)




- Cyan (83%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3692, 0.2694, 0.4192 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 14.3692, 0.2694, 0.4192 by changing the saturation by 10% instead.

 14.3692, 0.2694,
0.4192


 14.3692, 0.2694,
0.4192


219.5157, 0.2964,
0.3629


 8.3779, 0.2597,
0.4394


 33.7427, 0.2810,
0.3950


 4.3377, 0.2447,
0.4709

 47.8937, 0.2848,
0.3871


 1.8642, 0.2179,
0.5270

 65.5333, 0.2877,
0.3809

 0.5267, 0.0000,
1.0000

 87.0461, 0.2901,
0.3760

 0.0000, 0.0000,
0.0000

 112.8163, 0.2921,
0.3718

 143.2284, 0.2938,

0.3684

178.6667, 0.2952,
0.3654

■ 14.3692, 0.2694,
0.4192

■ 14.3692, 0.2694,
0.4192

■ 14.0596, 0.2667,
0.4366

■ 14.7624, 0.2737,
0.4022

■ 13.8252, 0.2657,
0.4542

■ 15.2436, 0.2794,
0.3860

■ 13.6578, 0.2666,
0.4713

■ 15.8187, 0.2862,
0.3708

■ 13.5595, 0.2675,
0.4831

■ 16.4928, 0.2937,
0.3567

■ 17.2706, 0.3018,
0.3439

■ 18.1563, 0.3101,
0.3323

■ 19.1540, 0.3186,
0.3219

■ 20.2676, 0.3270,
0.3127

■ 21.5009, 0.3352,
0.3045

Harmonies

Analogous

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



14.3692, 0.3369, 0.4581



14.3692, 0.2694, 0.4192



14.3692, 0.2171, 0.3467

Triad

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



14.3692, 0.2694, 0.4192



14.3692, 0.2220, 0.2203



14.3692, 0.4516, 0.3544

Complementary

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



14.3692, 0.2694, 0.4192



6.2848, 0.4084, 0.2588

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.



14.3692, 0.4146, 0.3024



14.3692, 0.2694, 0.4192



14.3692, 0.2759, 0.2292

Square

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



14.3692, 0.2694, 0.4192



14.3692, 0.1933, 0.2356



14.3692, 0.3470, 0.2583



14.3692, 0.4449, 0.4068

Rectangle

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



14.3692, 0.2694, 0.4192



14.3692, 0.1967, 0.2989



14.3692, 0.3470, 0.2583



14.3692, 0.4439, 0.3367

Sweetspot

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



14.3698, 0.2694, 0.4192



30.0074, 0.2966, 0.3520



15.0381, 0.3419, 0.5004



7.0365, 0.2947, 0.3551



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.



14.3698, 0.2694, 0.4192



24.9536, 0.2660, 0.4452



14.4741, 0.2380, 0.3229



4.1278, 0.3051, 0.3391



14.4027, 0.2677, 0.4836



70.0117, 0.2701, 0.4923

Inverse Universe

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



6.2848, 0.4084, 0.2588



9.1481, 0.4447, 0.2504



6.0942, 0.4969, 0.3343



3.7267, 0.3210, 0.3191



4.4632, 0.5023, 0.2541



21.5798, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 14.3692, 0.2694, 0.4192 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 14.3692, 0.2694, 0.4192 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 14.3692, 0.2694, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 14.3692, 0.2694, 0.4192.



This preview shows how white text looks on a background with the Yxy color 14.3692, 0.2694, 0.4192.

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

14.3692, 0.2694, 0.4192

Protanopia

14.1639, 0.3612, 0.3865

Deuteranopia

14.1495, 0.3629, 0.3556



Tritanopia

14.3642, 0.2432, 0.3081

Trichromacy



Original Color

14.3692, 0.2694, 0.4192

Protanomaly

13.8058, 0.3200, 0.3999

Deuteranomaly

13.7929, 0.3200, 0.3773

Tritanomaly

14.3518, 0.2523, 0.3457

Monochromacy



Original Color

14.3692, 0.2694, 0.4192

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.7368, 0.2907, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3692, 0.2694, 0.4192 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(44, 119, 84)` looks like.

```
.text, #text, p{  
    color:rgb(44, 119, 84)  
}
```

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(44, 119, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 119, 84) }
```

Border

The CSS property to change the border of an element to Yxy 14.3692, 0.2694, 0.4192 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(44, 119, 84) }
```

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

```
.border{ border-color:rgb(44, 119, 84) }
```

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

Here you see how a box with a 4 pixel rgb(44, 119, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 119, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 119, 84);  
box-shadow:4px 4px 4px 4px rgb(44, 119,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3692, 0.2694, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 119, 84) }
```

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

```
.background{ background-color: rgb(44, 119,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor