

Converting Colors

$Y_{xy}(12.5844, 0.1934, 0.4792)$

Have a look what the booklet for
Yxy(12.5844, 0.1934, 0.4792)
contains.

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Color

$Y_{xy}(14.1692, 0.2602, 0.4566)$

Conversions

Conversions Part 1

Format	Color
Hex	00794A
RGB	0, 121, 74
RGB Percent	0%, 47%, 29%
CMY	0.9995, 0.5255, 0.7098
CMYK	1.00, 0.00, 0.39, 0.53
HSL	157°, 100%, 24%
HSV	157°, 100%, 47%
XYZ	8.0745, 14.1692, 8.7883
YIQ	79.4630, -57.0290, -40.2690

Conversions

Conversions Part 2

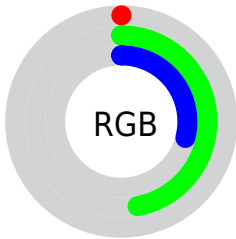
Format	Color
RYB	0, 75, 121
Decimal	31050
CIELab	44.47, -40.87, 17.83
CIELCh	44, 44.587, 156.423
Yxy	14.1692, 0.2602, 0.4566
Android (android.graphics.Color)	4278221130 (0xFF00794A)
YUV	79.4630, -2.6933, -69.6891
Hunter-Lab	37.6420, -27.5838, 12.5070

Details

The Yxy color **14.1692, 0.2602, 0.4566** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2736, 0.5331, 0.2712**, and the grayscale version is **7.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2387, 0.2748, 0.4211**, and **4.5952, 0.2753, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **14.1684, 0.2602, 0.4567**, and if you desaturate by 10%, it is **14.3146, 0.2593, 0.4422**.

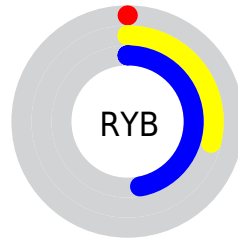
Distribution



Red (0%)

Green (47%)

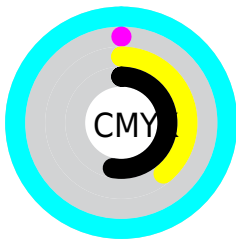
Blue (29%)



Red (0%)

Yellow (29%)

Blue (47%)

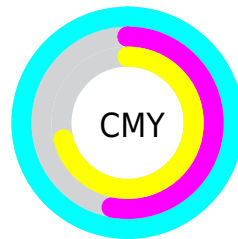


Cyan (100%)

Magenta (0%)

Yellow (39%)

Black (53%)



Cyan (100%)


Magenta (53%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1692, 0.2602, 0.4566 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 14.1692, 0.2602, 0.4566 by changing the saturation by 10% instead.


 14.1692, 0.2602,
0.4566


 14.1692, 0.2602,
0.4566


218.2809, 0.2938,
0.3758


 8.2384, 0.2476,
0.4863


 33.3889, 0.2750,
0.4214


 4.2479, 0.2275,
0.5330

 47.4467, 0.2797,
0.4101

 1.8132, 0.1852,
0.6392

 64.9823, 0.2833,
0.4013

 0.4954, 0.0000,
1.0000

 86.3801, 0.2862,
0.3942


 0.0000, 0.0000,
0.0000


 112.0244, 0.2886,
0.3883

 142.2997, 0.2907,


0.3835


 177.5904, 0.2923,
0.3793

 14.1692, 0.2602,
0.4566


 14.1692, 0.2602,
0.4566

 14.1684, 0.2602,
0.4567

 14.3146, 0.2593,
0.4422

 14.5036, 0.2595,
0.4278

 14.7637, 0.2616,
0.4133

 15.1027, 0.2655,
0.3990

 15.5274, 0.2709,
0.3852

■ 16.0438, 0.2777,
0.3721

■ 16.6574, 0.2856,
0.3599

■ 17.3732, 0.2942,
0.3486

■ 18.1957, 0.3034,
0.3383

Harmonies

Analogous

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



14.1692, 0.3452, 0.5009



14.1692, 0.2602, 0.4566



14.1692, 0.1944, 0.3576

Triad

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



14.1692, 0.2602, 0.4566



14.1692, 0.1951, 0.1939



14.1692, 0.4907, 0.3507

Complementary

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



14.1692, 0.2602, 0.4566



4.2736, 0.5331, 0.2712

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.



14.1692, 0.4397, 0.2888



14.1692, 0.2602, 0.4566



14.1692, 0.2585, 0.2035

Square

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



14.1692, 0.2602, 0.4566



14.1692, 0.1633, 0.2125



14.1692, 0.3487, 0.2370



14.1692, 0.4822, 0.4160

Rectangle

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



14.1692, 0.2602, 0.4566



14.1692, 0.1691, 0.2930



14.1692, 0.3487, 0.2370



14.1692, 0.4802, 0.3294

Sweetspot

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



14.1698, 0.2602, 0.4566



29.7294, 0.2849, 0.3609



14.3147, 0.3266, 0.5787



6.7096, 0.2821, 0.3649



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.



14.1698, 0.2602, 0.4566



25.3441, 0.2611, 0.4601



12.2995, 0.2163, 0.2985



4.4873, 0.3041, 0.3374



15.1816, 0.2603, 0.4572



72.2470, 0.2623, 0.4644

Inverse Universe

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



4.2736, 0.5331, 0.2712



7.6212, 0.5395, 0.2745



4.3331, 0.6280, 0.3393



4.0385, 0.3222, 0.3207



4.5744, 0.5342, 0.2717



21.6642, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 14.1692, 0.2602, 0.4566 looks on a white background.

Color Contrast Check

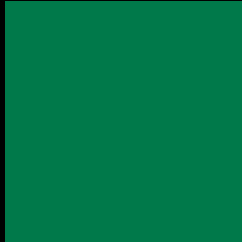
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1692, 0.2602, 0.4566 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 14.1692, 0.2602, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 14.1692, 0.2602, 0.4566.



This preview shows how white text looks on a background with the Yxy color 14.1692, 0.2602, 0.4566.

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

14.1692, 0.2602, 0.4566

Protanopia

14.0858, 0.3777, 0.4091

Deuteranopia

14.1570, 0.3793, 0.3735



Tritanopia

14.2522, 0.2334, 0.3078

Trichromacy



Original Color

14.1692, 0.2602, 0.4566



Protanomaly

13.2275, 0.3116, 0.4321



Deuteranomaly

12.9232, 0.3117, 0.4059



Tritanomaly

14.0101, 0.2403, 0.3565

Monochromacy



Original Color

14.1692, 0.2602, 0.4566



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

9.2193, 0.2737, 0.3790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1692, 0.2602, 0.4566 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(0, 121, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 74)  
}
```

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(0, 121, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 74) }
```

Border

The CSS property to change the border of an element to Yxy 14.1692, 0.2602, 0.4566 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(0, 121, 74) }
```

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

```
.border{ border-color:rgb(0, 121, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1692, 0.2602, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 74) }
```

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

```
.background{ background-color: rgb(0, 121,  
74) }
```

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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