

Converting Colors

$Y_{xy}(12.7114, 0.2038, 0.4720)$

Have a look what the booklet for
Yxy(12.7114, 0.2038, 0.4720)
contains.

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Color

Yxy(13.9274, 0.2597, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	00784A
RGB	0, 120, 74
RGB Percent	0%, 47%, 29%
CMY	0.9991, 0.5294, 0.7098
CMYK	1.00, 0.00, 0.38, 0.53
HSL	157°, 100%, 24%
HSV	157°, 100%, 47%
XYZ	7.9546, 13.9274, 8.7479
YIQ	78.8760, -56.7540, -39.7460

Conversions

Conversions Part 2

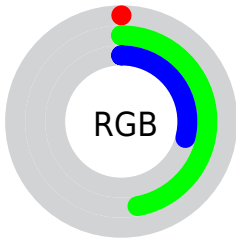
Format	Color
RYB	0, 74, 120
Decimal	30794
CIELab	44.13, -40.47, 17.37
CIELCh	44, 44.038, 156.770
Yxy	13.9274, 0.2597, 0.4547
Android (android.graphics.Color)	4278220874 (0xFF00784A)
YUV	78.8760, -2.4039, -69.1743
Hunter-Lab	37.3194, -27.2620, 12.2257

Details

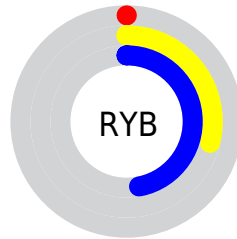
The Yxy color **13.9274, 0.2597, 0.4547** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1966, 0.5346, 0.2721**, and the grayscale version is **7.8196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8537, 0.2746, 0.4196**, and **4.4690, 0.2747, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **13.9254, 0.2597, 0.4550**, and if you desaturate by 10%, it is **14.0707, 0.2588, 0.4405**.

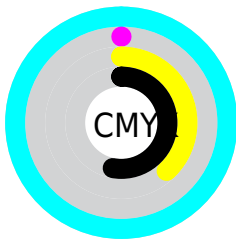
Distribution



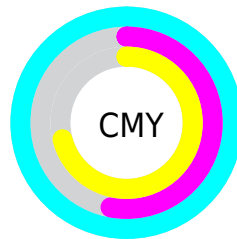
- Red (0%)
- Green (47%)
- Blue (29%)



- Red (0%)
- Yellow (29%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9274, 0.2597, 0.4547 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 13.9274, 0.2597, 0.4547 by changing the saturation by 10% instead.


 13.9274, 0.2597,
0.4547


 13.9274, 0.2597,
0.4547


216.7787, 0.2936,
0.3749


 8.0702, 0.2470,
0.4841


 32.9602, 0.2746,
0.4199


 4.1399, 0.2267,
0.5306

 46.9045, 0.2793,
0.4088


 1.7521, 0.1821,
0.6396

 64.3133, 0.2830,
0.4001

 0.4571, 0.0000,
1.0000


 85.5710, 0.2860,
0.3931

 0.0000, 0.0000,
0.0000

 111.0620, 0.2884,
0.3873


 141.1707, 0.2904,

0.3825


 176.2815, 0.2921,
0.3784


 13.9274, 0.2597,
0.4547

 13.9274, 0.2597,
0.4547


 13.9254, 0.2597,
0.4550

 14.0707, 0.2588,
0.4405

 14.2569, 0.2591,
0.4262

 14.5128, 0.2613,
0.4120

 14.8461, 0.2652,
0.3979

 15.2634, 0.2707,
0.3843

■ 15.7706, 0.2776,
0.3714

■ 16.3730, 0.2855,
0.3594

■ 17.0754, 0.2942,
0.3482

■ 17.8826, 0.3034,
0.3380

Harmonies

Analogous

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



13.9274, 0.3442, 0.4996



13.9274, 0.2597, 0.4547



13.9274, 0.1945, 0.3563

Triad

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



13.9274, 0.2597, 0.4547



13.9274, 0.1963, 0.1946



13.9274, 0.4899, 0.3515

Complementary

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



13.9274, 0.2597, 0.4547



4.1966, 0.5346, 0.2721

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.



13.9274, 0.4397, 0.2898



13.9274, 0.2597, 0.4547



13.9274, 0.2598, 0.2044

Square

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



13.9274, 0.2597, 0.4547



13.9274, 0.1643, 0.2128



13.9274, 0.3496, 0.2380



13.9274, 0.4808, 0.4164

Rectangle

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



13.9274, 0.2597, 0.4547



13.9274, 0.1696, 0.2923



13.9274, 0.3496, 0.2380



13.9274, 0.4796, 0.3303

Sweetspot

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



13.9280, 0.2597, 0.4547



28.6944, 0.2847, 0.3604



14.0641, 0.3267, 0.5786



6.7113, 0.2819, 0.3645



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.



13.9280, 0.2597, 0.4547



24.4674, 0.2606, 0.4582



12.0865, 0.2163, 0.2986



4.4876, 0.3041, 0.3373



15.1900, 0.2599, 0.4555



72.2875, 0.2619, 0.4627

Inverse Universe

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



4.1966, 0.5346, 0.2721



7.3465, 0.5411, 0.2754



4.2611, 0.6277, 0.3394



4.0382, 0.3222, 0.3208



4.5694, 0.5361, 0.2727



21.6415, 0.5491, 0.2798

Previews

White Background



This preview shows how the Yxy color 13.9274, 0.2597, 0.4547 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 13.9274, 0.2597, 0.4547 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 13.9274, 0.2597, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 13.9274, 0.2597, 0.4547.



This preview shows how white text looks on a background with the Yxy color 13.9274, 0.2597, 0.4547.

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

13.9274, 0.2597, 0.4547

Protanopia

13.8166, 0.3769, 0.4076

Deuteranopia

13.8164, 0.3768, 0.3720



Tritanopia

13.9783, 0.2330, 0.3076

Trichromacy



Original Color

13.9274, 0.2597, 0.4547

Protanomaly

12.9718, 0.3104, 0.4305

Deuteranomaly

12.6709, 0.3105, 0.4040

Tritanomaly

13.7437, 0.2401, 0.3568

Monochromacy



Original Color

13.9274, 0.2597, 0.4547

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 13.9274, 0.2597, 0.4547 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, 120, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 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, 120, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 74) }
```

Border

The CSS property to change the border of an element to Yxy 13.9274, 0.2597, 0.4547 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, 120, 74) }
```

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

```
.border{ border-color:rgb(0, 120, 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, 120, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9274, 0.2597, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 74) }
```

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

```
.background{ background-color: rgb(0, 120,  
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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