

Converting Colors

$Y_{xy}(14.6975, 0.2510, 0.4236)$

Have a look what the booklet for
Yxy(14.6975, 0.2510, 0.4236)
contains.

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Color

$\text{Yxy}(14.6072, 0.2504, 0.4214)$

Conversions

Conversions Part 1

Format	Color
Hex	007A57
RGB	0, 122, 87
RGB Percent	0%, 48%, 34%
CMY	0.9999, 0.5216, 0.6589
CMYK	1.00, 0.00, 0.29, 0.52
HSL	163°, 100%, 24%
HSV	163°, 100%, 48%
XYZ	8.6797, 14.6072, 11.3766
YIQ	81.5320, -61.4770, -36.7490

Conversions

Conversions Part 2

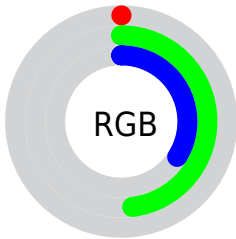
Format	Color
RYB	0, 71, 122
Decimal	31319
CIELab	45.09, -38.16, 11.13
CIELCh	45, 39.754, 163.740
Yxy	14.6072, 0.2504, 0.4214
Android (android.graphics.Color)	4278221399 (0xFF007A57)
YUV	81.5320, 2.6957, -71.5036
Hunter-Lab	38.2194, -26.3460, 9.1050

Details

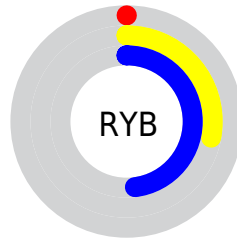
The Yxy color **14.6072, 0.2504, 0.4214** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2601, 0.5719, 0.2924**, and the grayscale version is **8.3452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0439, 0.2664, 0.3959**, and **4.8019, 0.2602, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **14.6074, 0.2504, 0.4214**, and if you desaturate by 10%, it is **14.7461, 0.2503, 0.4109**.

Distribution



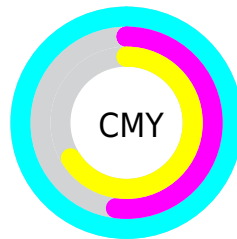
- Red (0%)
- Green (48%)
- Blue (34%)



- Red (0%)
- Yellow (28%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6072, 0.2504, 0.4214 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 14.6072, 0.2504, 0.4214 by changing the saturation by 10% instead.


 14.6072, 0.2504,
0.4214


 14.6072, 0.2504,
0.4214


220.9762, 0.2886,
0.3639


 8.5442, 0.2373,
0.4419


 34.1626, 0.2665,
0.3967


 4.4451, 0.2174,
0.4737

 48.4238, 0.2718,
0.3887

 1.9255, 0.1811,
0.5312

 66.1865, 0.2761,
0.3824

 0.5637, 0.0000,
1.0000


 87.8350, 0.2795,
0.3773

 0.0000, 0.0000,
0.0000

 113.7539, 0.2823,
0.3730

 144.3275, 0.2847,


0.3695

 179.9401, 0.2868,
0.3665


 14.6072, 0.2504,
0.4214


 14.6072, 0.2504,
0.4214


 14.6074, 0.2504,
0.4214

 14.7461, 0.2503,
0.4109

 14.9272, 0.2513,
0.4005

 15.1785, 0.2542,
0.3901

 15.5080, 0.2589,
0.3799

 15.9225, 0.2651,
0.3700

■ 16.4280, 0.2729,
0.3605

■ 17.0302, 0.2817,
0.3517

■ 17.7340, 0.2915,
0.3434

■ 18.5442, 0.3019,
0.3359

Harmonies

Analogous

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



14.6072, 0.3249, 0.4758



14.6072, 0.2504, 0.4214



14.6072, 0.1969, 0.3334

Triad

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



14.6072, 0.2504, 0.4214



14.6072, 0.2185, 0.2068



14.6072, 0.4739, 0.3655

Complementary

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



14.6072, 0.2504, 0.4214



4.2601, 0.5719, 0.2924

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.



14.6072, 0.4403, 0.3073



14.6072, 0.2504, 0.4214



14.6072, 0.2829, 0.2210

Square

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



14.6072, 0.2504, 0.4214



14.6072, 0.1820, 0.2180



14.6072, 0.3659, 0.2565



14.6072, 0.4563, 0.4240

Rectangle

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



14.6072, 0.2504, 0.4214



14.6072, 0.1784, 0.2807



14.6072, 0.3659, 0.2565



14.6072, 0.4685, 0.3457

Sweetspot

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



14.6078, 0.2504, 0.4214



29.8745, 0.2810, 0.3523



14.3061, 0.3163, 0.5870



6.7458, 0.2779, 0.3553



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.



14.6078, 0.2504, 0.4214



25.6737, 0.2511, 0.4238



10.0677, 0.2072, 0.2660



4.4938, 0.3029, 0.3352



15.3772, 0.2505, 0.4217



73.1984, 0.2520, 0.4270

Inverse Universe

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



4.2601, 0.5719, 0.2924



7.4717, 0.5779, 0.2957



4.8088, 0.6122, 0.3521



4.0322, 0.3236, 0.3229



4.4828, 0.5726, 0.2928



21.2536, 0.5855, 0.2999

Previews

White Background



This preview shows how the Yxy color 14.6072, 0.2504, 0.4214 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 14.6072, 0.2504, 0.4214 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 14.6072, 0.2504, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 14.6072, 0.2504, 0.4214.



This preview shows how white text looks on a background with the Yxy color 14.6072, 0.2504, 0.4214.

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

14.6072, 0.2504, 0.4214

Protanopia

14.4647, 0.3594, 0.3839

Deuteranopia

14.3956, 0.3580, 0.3514



Tritanopia

14.7004, 0.2313, 0.3080

Trichromacy



Original Color

14.6072, 0.2504, 0.4214

Protanomaly

13.6293, 0.2970, 0.4007

Deuteranomaly

13.2952, 0.2950, 0.3752

Tritanomaly

14.5831, 0.2360, 0.3460

Monochromacy



Original Color

14.6072, 0.2504, 0.4214

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.9195, 0.2688, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6072, 0.2504, 0.4214 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, 122, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 87)  
}
```

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, 122, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 87) }
```

Border

The CSS property to change the border of an element to Yxy 14.6072, 0.2504, 0.4214 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, 122, 87) }
```

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

```
.border{ border-color:rgb(0, 122, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.6072, 0.2504, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 87) }
```

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

```
.background{ background-color: rgb(0, 122,  
87) }
```

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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