

Converting Colors

$Y_{xy}(14.6936, 0.2512, 0.4243)$

Have a look what the booklet for
Yxy(14.6936, 0.2512, 0.4243)
contains.

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Color

$\text{Yxy}(14.5910, 0.2512, 0.4242)$

Conversions

Conversions Part 1

Format	Color
Hex	007A56
RGB	0, 122, 86
RGB Percent	0%, 48%, 34%
CMY	0.9995, 0.5216, 0.6627
CMYK	1.00, 0.00, 0.30, 0.52
HSL	162°, 100%, 24%
HSV	162°, 100%, 48%
XYZ	8.6404, 14.5910, 11.1651
YIQ	81.4180, -61.1560, -37.0600

Conversions

Conversions Part 2

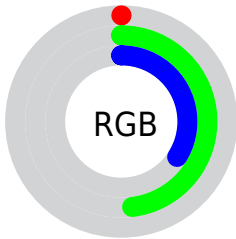
Format	Color
RYB	0, 72, 122
Decimal	31318
CIELab	45.07, -38.41, 11.68
CIELCh	45, 40.144, 163.086
Yxy	14.5910, 0.2512, 0.4242
Android (android.graphics.Color)	4278221398 (0xFF007A56)
YUV	81.4180, 2.2589, -71.4036
Hunter-Lab	38.1982, -26.4702, 9.4086

Details

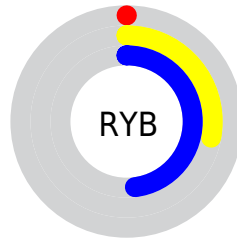
The Yxy color **14.5910, 0.2512, 0.4242** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2684, 0.5687, 0.2908**, and the grayscale version is **8.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0153, 0.2671, 0.3978**, and **4.7948, 0.2615, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **14.5901, 0.2512, 0.4243**, and if you desaturate by 10%, it is **14.7309, 0.2510, 0.4134**.

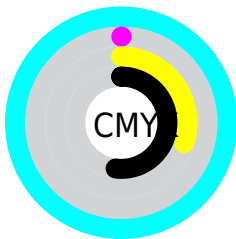
Distribution



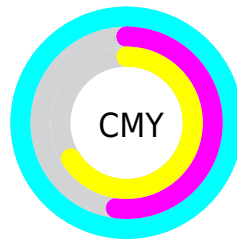
- Red (0%)
- Green (48%)
- Blue (34%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (52%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5910, 0.2512, 0.4242 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 14.5910, 0.2512, 0.4242 by changing the saturation by 10% instead.


 14.5910, 0.2512,
0.4242


 14.5910, 0.2512,
0.4242


220.8771, 0.2890,
0.3649


 8.5328, 0.2382,
0.4454


 34.1341, 0.2672,
0.3987

 4.4378, 0.2183,
0.4784

 48.3878, 0.2725,
0.3904


 1.9213, 0.1815,
0.5382

 66.1421, 0.2766,
0.3839

 0.5612, 0.0000,
1.0000

 87.7814, 0.2800,
0.3786


 0.0000, 0.0000,
0.0000


 113.6902, 0.2828,
0.3743


 144.2529, 0.2852,


0.3706


 179.8537, 0.2872,
0.3675


 14.5910, 0.2512,
0.4242


 14.5910, 0.2512,
0.4242


 14.5901, 0.2512,
0.4243

 14.7309, 0.2510,
0.4134

 14.9136, 0.2520,
0.4027

 15.1667, 0.2548,
0.3919

 15.4982, 0.2594,
0.3814

 15.9149, 0.2657,
0.3712

■ 16.4228, 0.2733,
0.3614

■ 17.0276, 0.2821,
0.3523

■ 17.7342, 0.2918,
0.3438

■ 18.5475, 0.3021,
0.3360

Harmonies

Analogous

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



14.5910, 0.3266, 0.4779



14.5910, 0.2512, 0.4242



14.5910, 0.1967, 0.3353

Triad

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



14.5910, 0.2512, 0.4242



14.5910, 0.2165, 0.2057



14.5910, 0.4753, 0.3643

Complementary

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



14.5910, 0.2512, 0.4242



4.2684, 0.5687, 0.2908

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.



14.5910, 0.4403, 0.3058



14.5910, 0.2512, 0.4242



14.5910, 0.2809, 0.2196

Square

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



14.5910, 0.2512, 0.4242



14.5910, 0.1804, 0.2175



14.5910, 0.3646, 0.2549



14.5910, 0.4584, 0.4234

Rectangle

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



14.5910, 0.2512, 0.4242



14.5910, 0.1776, 0.2816



14.5910, 0.3646, 0.2549



14.5910, 0.4695, 0.3444

Sweetspot

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



14.5916, 0.2512, 0.4242



29.8624, 0.2813, 0.3530



14.3067, 0.3164, 0.5869



6.7428, 0.2783, 0.3560



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.



14.5916, 0.2512, 0.4242



25.6444, 0.2519, 0.4268



10.0713, 0.2073, 0.2660



4.4932, 0.3030, 0.3354



15.3599, 0.2513, 0.4246



73.1134, 0.2528, 0.4301

Inverse Universe

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



4.2684, 0.5687, 0.2908



7.4821, 0.5750, 0.2941



4.8120, 0.6119, 0.3521



4.0327, 0.3235, 0.3227



4.4892, 0.5696, 0.2912



21.2817, 0.5826, 0.2983

Previews

White Background



This preview shows how the Yxy color 14.5910, 0.2512, 0.4242 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 14.5910, 0.2512, 0.4242 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 14.5910, 0.2512, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 14.5910, 0.2512, 0.4242.



This preview shows how white text looks on a background with the Yxy color 14.5910, 0.2512, 0.4242.

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

14.5910, 0.2512, 0.4242

Protanopia

14.4500, 0.3608, 0.3861

Deuteranopia

14.3785, 0.3595, 0.3535



Tritanopia

14.7004, 0.2313, 0.3080

Trichromacy



Original Color

14.5910, 0.2512, 0.4242

Protanomaly

13.6140, 0.2981, 0.4033

Deuteranomaly

13.2782, 0.2962, 0.3777

Tritanomaly

14.5610, 0.2368, 0.3485

Monochromacy



Original Color

14.5910, 0.2512, 0.4242

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.7203, 0.2696, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5910, 0.2512, 0.4242 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 86) }
```

Border

The CSS property to change the border of an element to Yxy 14.5910, 0.2512, 0.4242 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, 86) }
```

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

```
.border{ border-color:rgb(0, 122, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5910, 0.2512, 0.4242 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, 86) }
```

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

```
.background{ background-color: rgb(0, 122,  
86) }
```

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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