

Converting Colors

$Y_{xy}(14.6160, 0.2699, 0.4686)$

Have a look what the booklet for
Yxy(14.6160, 0.2699, 0.4686)
contains.

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Color

Yxy(14.5207, 0.2697, 0.4676)

Conversions

Conversions Part 1

Format	Color
Hex	157A46
RGB	21, 122, 70
RGB Percent	8%, 48%, 27%
CMY	0.9175, 0.5216, 0.7254
CMYK	0.83, 0.00, 0.43, 0.52
HSL	149°, 71%, 28%
HSV	149°, 83%, 48%
XYZ	8.3752, 14.5207, 8.1578
YIQ	85.8730, -43.5040, -37.5840

Conversions

Conversions Part 2

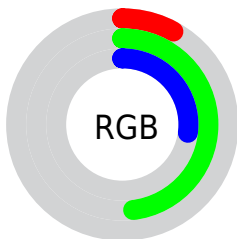
Format	Color
R_{YB}	21, 89, 122
Decimal	1407558
CIE _{Lab}	44.97, -40.31, 20.81
CIE _{LCh}	45, 45.362, 152.697
Yxy	14.5207, 0.2697, 0.4676
Android (android.graphics.Color)	4279597638 (0xFF157A46)
YUV	85.8730, -7.8254, -56.8936
Hunter-Lab	38.1060, -27.4537, 13.9813

Details

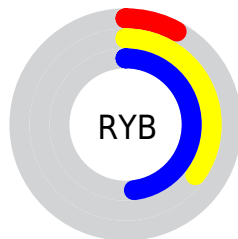
The Yxy color **14.5207, 0.2697, 0.4676** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.1567, 0.4427, 0.2403**, and the grayscale version is **9.3044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8767, 0.2825, 0.4288**, and **4.7049, 0.2803, 0.5290** is the 20% darker color. If you saturate the color by 10%, you get **14.3432, 0.2709, 0.4864**, and if you desaturate by 10%, it is **14.7723, 0.2703, 0.4483**.

Distribution



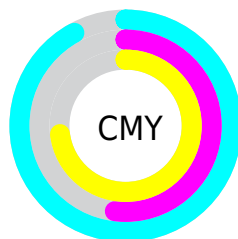
- Red (8%)
- Green (48%)
- Blue (27%)



- Red (8%)
- Yellow (35%)
- Blue (48%)



- Cyan (83%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)




- Cyan (92%)
- Magenta (52%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5207, 0.2697, 0.4676 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 14.5207, 0.2697, 0.4676 by changing the saturation by 10% instead.


 14.5207, 0.2697,
0.4676


 14.5207, 0.2697,
0.4676


220.4465, 0.2980,
0.3799

 8.4837, 0.2585,
0.4996


 34.0101, 0.2824,
0.4294


 4.4060, 0.2402,
0.5497

 48.2313, 0.2864,
0.4172

 1.9032, 0.2079,
0.6691

 65.9494, 0.2894,
0.4076

 0.5503, 0.0000,
1.0000

 87.5487, 0.2919,
0.3999

 0.0000, 0.0000,
0.0000

 113.4137, 0.2938,
0.3935

 143.9287, 0.2955,

0.3882

179.4782, 0.2968,
0.3837

■ 14.5207, 0.2697,
0.4676

■ 14.5207, 0.2697,
0.4676

■ 14.3432, 0.2709,
0.4864

■ 14.7723, 0.2703,
0.4483

■ 14.2367, 0.2721,
0.4997

■ 15.1050, 0.2728,
0.4289

■ 15.5267, 0.2767,
0.4100

■ 16.0440, 0.2820,
0.3919

■ 16.6625, 0.2883,
0.3750

■ 17.3878, 0.2954,
0.3593

■ 18.2248, 0.3028,
0.3451

■ 19.1781, 0.3106,
0.3323

■ 20.2521, 0.3184,
0.3208

Harmonies

Analogous

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



14.5207, 0.3561, 0.5025



14.5207, 0.2697, 0.4676



14.5207, 0.1999, 0.3710

Triad

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



14.5207, 0.2697, 0.4676



14.5207, 0.1886, 0.1936



14.5207, 0.4891, 0.3426

Complementary

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



14.5207, 0.2697, 0.4676



5.1567, 0.4427, 0.2403

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.



14.5207, 0.4308, 0.2812



14.5207, 0.2697, 0.4676



14.5207, 0.2484, 0.2000

Square

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



14.5207, 0.2697, 0.4676



14.5207, 0.1605, 0.2162



14.5207, 0.3368, 0.2309



14.5207, 0.4876, 0.4082

Rectangle

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



14.5207, 0.2697, 0.4676



14.5207, 0.1715, 0.3037



14.5207, 0.3368, 0.2309



14.5207, 0.4759, 0.3214

Sweetspot

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



14.5213, 0.2697, 0.4676



30.2075, 0.2933, 0.3637



15.3977, 0.3469, 0.5418



6.8242, 0.2913, 0.3680



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.



14.5213, 0.2697, 0.4676



25.0411, 0.2730, 0.5019



15.4427, 0.2301, 0.3327



4.4794, 0.3057, 0.3402



14.9873, 0.2722, 0.5001



71.3204, 0.2747, 0.5090

Inverse Universe

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



5.1567, 0.4427, 0.2403



7.9254, 0.4848, 0.2453



4.7361, 0.5846, 0.3278



4.0463, 0.3204, 0.3180



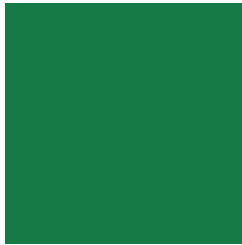
4.7302, 0.4829, 0.2434



22.3910, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 14.5207, 0.2697, 0.4676 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 14.5207, 0.2697, 0.4676 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 14.5207, 0.2697, 0.4676

Background



This preview shows how black text looks on a background with the Yxy color 14.5207, 0.2697, 0.4676.



This preview shows how white text looks on a background with the Yxy color 14.5207, 0.2697, 0.4676.

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

14.5207, 0.2697, 0.4676

Protanopia

14.3912, 0.3839, 0.4159

Deuteranopia

14.2510, 0.3882, 0.3808



Tritanopia

14.6244, 0.2362, 0.3081

Trichromacy



Original Color

14.5207, 0.2697, 0.4676

Protanomaly

13.7310, 0.3263, 0.4405

Deuteranomaly

13.4930, 0.3288, 0.4148

Tritanomaly

14.4081, 0.2472, 0.3611

Monochromacy



Original Color

14.5207, 0.2697, 0.4676

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.5270, 0.2858, 0.3810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5207, 0.2697, 0.4676 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(21, 122, 70)` looks like.

```
.text, #text, p{  
    color:rgb(21, 122, 70)  
}
```

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(21, 122, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 122, 70) }
```

Border

The CSS property to change the border of an element to Yxy 14.5207, 0.2697, 0.4676 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(21, 122, 70) }
```

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

```
.border{ border-color:rgb(21, 122, 70) }
```

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

Here you see how a box with a 4 pixel rgb(21, 122, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 122, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 122, 70);  
box-shadow:4px 4px 4px 4px rgb(21, 122,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5207, 0.2697, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 122, 70) }
```

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

```
.background{ background-color: rgb(21, 122,  
70) }
```

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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