

Converting Colors

$Yxy(14.5311, 0.2598, 0.4552)$

Have a look what the booklet for
Yxy(14.5311, 0.2598, 0.4552)
contains.

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Color

$Y_{xy}(14.4271, 0.2599, 0.4556)$

Conversions

Conversions Part 1

Format	Color
Hex	007A4B
RGB	0, 122, 75
RGB Percent	0%, 48%, 29%
CMY	0.9999, 0.5216, 0.7058
CMYK	1.00, 0.00, 0.39, 0.52
HSL	157°, 100%, 24%
HSV	157°, 100%, 48%
XYZ	8.2300, 14.4271, 9.0090
YIQ	80.1640, -57.6250, -40.4810

Conversions

Conversions Part 2

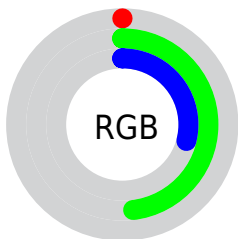
Format	Color
RYB	0, 76, 122
Decimal	31307
CIELab	44.84, -41.04, 17.75
CIELCh	45, 44.708, 156.615
Yxy	14.4271, 0.2599, 0.4556
Android (android.graphics.Color)	4278221387 (0xFF007A4B)
YUV	80.1640, -2.5459, -70.3038
Hunter-Lab	37.9830, -27.7935, 12.5254

Details

The Yxy color **14.4271, 0.2599, 0.4556** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3438, 0.5350, 0.2721**, and the grayscale version is **8.0716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6930, 0.2749, 0.4205**, and **4.7285, 0.2748, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **14.4273, 0.2599, 0.4556**, and if you desaturate by 10%, it is **14.5741, 0.2590, 0.4413**.

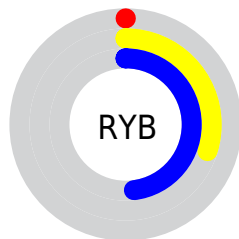
Distribution



Red (0%)

Green (48%)

Blue (29%)



Red (0%)

Yellow (30%)

Blue (48%)

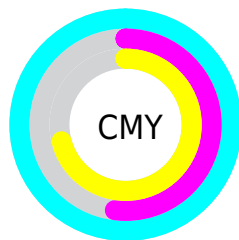


Cyan (100%)

Magenta (0%)

Yellow (39%)

Black (52%)



Cyan (100%)


Magenta (52%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4271, 0.2599, 0.4556 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 14.4271, 0.2599, 0.4556 by changing the saturation by 10% instead.


 14.4271, 0.2599,
0.4556


 14.4271, 0.2599,
0.4556


219.8719, 0.2936,
0.3756


 8.4183, 0.2474,
0.4848


 33.8450, 0.2747,
0.4208


 4.3638, 0.2275,
0.5307

 48.0228, 0.2793,
0.4097


 1.8791, 0.1874,
0.6291

 65.6925, 0.2830,
0.4009

 0.5357, 0.0000,
1.0000

 87.2384, 0.2860,
0.3939

 0.0000, 0.0000,
0.0000

 113.0449, 0.2884,
0.3881

 143.4963, 0.2904,


0.3832


 178.9772, 0.2921,
0.3791


 14.4271, 0.2599,
0.4556


 14.4271, 0.2599,
0.4556

 14.4273, 0.2599,
0.4556

 14.5741, 0.2590,
0.4413

 14.7654, 0.2592,
0.4270

 15.0290, 0.2613,
0.4126

 15.3729, 0.2652,
0.3985

 15.8040, 0.2707,
0.3848

■ 16.3285, 0.2775,
0.3719

■ 16.9519, 0.2854,
0.3597

■ 17.6792, 0.2940,
0.3485

■ 18.5154, 0.3032,
0.3382

Harmonies

Analogous

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



14.4271, 0.3447, 0.5002



14.4271, 0.2599, 0.4556



14.4271, 0.1944, 0.3569

Triad

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



14.4271, 0.2599, 0.4556



14.4271, 0.1957, 0.1943



14.4271, 0.4903, 0.3511

Complementary

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



14.4271, 0.2599, 0.4556



4.3438, 0.5350, 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.



14.4271, 0.4397, 0.2894



14.4271, 0.2599, 0.4556



14.4271, 0.2592, 0.2040

Square

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



14.4271, 0.2599, 0.4556



14.4271, 0.1638, 0.2127



14.4271, 0.3492, 0.2375



14.4271, 0.4815, 0.4162

Rectangle

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



14.4271, 0.2599, 0.4556



14.4271, 0.1693, 0.2926



14.4271, 0.3492, 0.2375



14.4271, 0.4799, 0.3299

Sweetspot

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



14.4277, 0.2599, 0.4556



29.7343, 0.2847, 0.3606



14.5679, 0.3266, 0.5789



6.7108, 0.2820, 0.3646



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.



14.4277, 0.2599, 0.4556



25.3544, 0.2608, 0.4589



12.5151, 0.2163, 0.2984



4.4875, 0.3041, 0.3374



15.1877, 0.2600, 0.4560



72.2766, 0.2620, 0.4632

Inverse Universe

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



4.3438, 0.5350, 0.2721



7.6152, 0.5409, 0.2753



4.4063, 0.6283, 0.3393



4.0382, 0.3222, 0.3208



4.5708, 0.5356, 0.2724



21.6476, 0.5485, 0.2795

Previews

White Background



This preview shows how the Yxy color 14.4271, 0.2599, 0.4556 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 14.4271, 0.2599, 0.4556 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 14.4271, 0.2599, 0.4556

Background



This preview shows how black text looks on a background with the Yxy color 14.4271, 0.2599, 0.4556.



This preview shows how white text looks on a background with the Yxy color 14.4271, 0.2599, 0.4556.

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

14.4271, 0.2599, 0.4556

Protanopia

14.3703, 0.3771, 0.4085

Deuteranopia

14.2465, 0.3794, 0.3712



Tritanopia

14.5069, 0.2332, 0.3079

Trichromacy



Original Color

14.4271, 0.2599, 0.4556

Protanomaly

13.4597, 0.3103, 0.4316

Deuteranomaly

13.1928, 0.3118, 0.4051

Tritanomaly

14.2653, 0.2401, 0.3563

Monochromacy



Original Color

14.4271, 0.2599, 0.4556

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.4383, 0.2740, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4271, 0.2599, 0.4556 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 75) }
```

Border

The CSS property to change the border of an element to Yxy 14.4271, 0.2599, 0.4556 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, 75) }
```

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

```
.border{ border-color:rgb(0, 122, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4271, 0.2599, 0.4556 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, 75) }
```

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

```
.background{ background-color: rgb(0, 122,  
75) }
```

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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