

Converting Colors

$Y_{xy}(14.4673, 0.3187, 0.5851)$

Have a look what the booklet for
Yxy(14.4673, 0.3187, 0.5851)
contains.

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Color

Yxy(14.3702, 0.3189, 0.5850)

Conversions

Conversions Part 1

Format	Color
Hex	287A00
RGB	40, 122, 0
RGB Percent	16%, 48%, 0%
CMY	0.8433, 0.5215, 1.0000
CMYK	0.67, 0.00, 1.00, 0.52
HSL	100°, 100%, 24%
HSV	100°, 100%, 48%
XYZ	7.8336, 14.3702, 2.3606
YIQ	83.5740, -9.7100, -55.3260

Conversions

Conversions Part 2

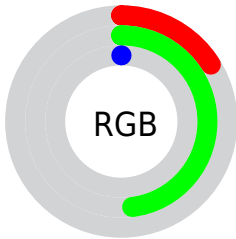
Format	Color
RYB	0, 122, 82
Decimal	2652672
CIELab	44.76, -44.30, 48.99
CIELCh	45, 66.049, 132.123
Yxy	14.3702, 0.3189, 0.5850
Android (android.graphics.Color)	4280842752 (0xFF287A00)
YUV	83.5740, -41.2020, -38.2144
Hunter-Lab	37.9080, -29.4525, 22.8435

Details

The Yxy color **14.3702, 0.3189, 0.5850** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.2009, 0.2424, 0.1109**, and the grayscale version is **8.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6044, 0.3279, 0.5189**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.3708, 0.3189, 0.5850**, and if you desaturate by 10%, it is **14.5799, 0.3229, 0.5702**.

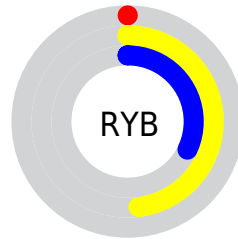
Distribution



Red (16%)

Green (48%)

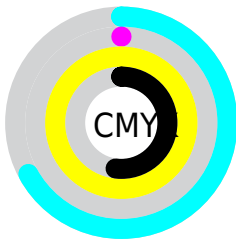
Blue (0%)



Red (0%)

Yellow (48%)

Blue (32%)

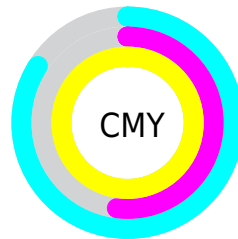


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (84%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3702, 0.3189, 0.5850 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 14.3702, 0.3189, 0.5850 by changing the saturation by 10% instead.


 14.3702, 0.3189,
0.5850


 14.3702, 0.3189,
0.5850


219.5219, 0.3271,
0.4254


 8.3786, 0.3064,
0.6356


 33.7445, 0.3277,
0.5186


 4.3381, 0.2845,
0.7155

 47.8959, 0.3288,
0.4961


 1.8645, 0.2019,
0.7981

 65.5361, 0.3291,
0.4782

 0.5269, 0.0000,
1.0000


 87.0494, 0.3290,
0.4636


 0.0000, 0.0000,
0.0000

 112.8202, 0.3286,
0.4515


 143.2330, 0.3282,


0.4414


 178.6721, 0.3277,
0.4328


 14.3702, 0.3189,
0.5850


 14.3702, 0.3189,
0.5850


 14.3708, 0.3189,
0.5850

 14.5799, 0.3229,
0.5702

 14.8396, 0.3263,
0.5515

 15.1609, 0.3284,
0.5274

 15.5484, 0.3289,
0.4994

 16.0060, 0.3281,
0.4692

■ 16.5374, 0.3262,
0.4383

■ 17.1458, 0.3235,
0.4082

■ 17.8343, 0.3202,
0.3796

■ 18.6060, 0.3165,
0.3531

Harmonies

Analogous

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



14.3702, 0.4320, 0.5352



14.3702, 0.3189, 0.5850



14.3702, 0.2098, 0.5029

Triad

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



14.3702, 0.3189, 0.5850



14.3702, 0.1203, 0.1611



14.3702, 0.5183, 0.2815

Complementary

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



14.3702, 0.3189, 0.5850



3.2009, 0.2424, 0.1109

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.



14.3702, 0.3886, 0.2144



14.3702, 0.3189, 0.5850



14.3702, 0.1654, 0.1491

Square

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



14.3702, 0.3189, 0.5850



14.3702, 0.1099, 0.2152



14.3702, 0.2548, 0.1678



14.3702, 0.5680, 0.3573

Rectangle

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



14.3702, 0.3189, 0.5850



14.3702, 0.1551, 0.3899



14.3702, 0.2548, 0.1678



14.3702, 0.4808, 0.2577

Sweetspot

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



14.3708, 0.3189, 0.5850



30.0796, 0.3237, 0.4103



10.0730, 0.4901, 0.4490



6.7926, 0.3247, 0.4204



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.



14.3708, 0.3189, 0.5850



25.2123, 0.3174, 0.5862



13.9721, 0.2946, 0.5807



4.5078, 0.3162, 0.3508



15.1246, 0.3187, 0.5851



71.7290, 0.3154, 0.5878

Inverse Universe

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



3.2009, 0.2424, 0.1109



5.5553, 0.2406, 0.1099



5.0908, 0.3663, 0.1791



4.0148, 0.3090, 0.3076



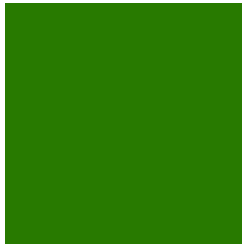
3.3651, 0.2422, 0.1108



15.5755, 0.2382, 0.1086

Previews

White Background



This preview shows how the Yxy color 14.3702, 0.3189, 0.5850 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 14.3702, 0.3189, 0.5850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

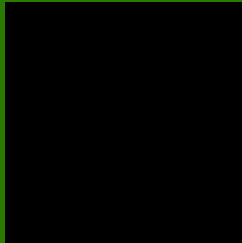
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 14.3702, 0.3189, 0.5850

Background



This preview shows how black text looks on a background with the Yxy color 14.3702, 0.3189, 0.5850.



This preview shows how white text looks on a background with the Yxy color 14.3702, 0.3189, 0.5850.

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

14.3702, 0.3189, 0.5850

Protanopia

14.2300, 0.4391, 0.4896

Deuteranopia

14.1755, 0.4570, 0.4494



Tritanopia

14.2971, 0.2468, 0.3060

Trichromacy



Original Color

14.3702, 0.3189, 0.5850

Protanomaly

13.7620, 0.3865, 0.5313

Deuteranomaly

13.4182, 0.3990, 0.5047

Tritanomaly

13.8531, 0.2834, 0.4270

Monochromacy



Original Color

14.3702, 0.3189, 0.5850

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.2213, 0.3277, 0.4529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3702, 0.3189, 0.5850 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(40, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 122, 0)  
}
```

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(40, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.3702, 0.3189, 0.5850 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(40, 122, 0) }
```

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

```
.border{ border-color:rgb(40, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(40, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.3702, 0.3189, 0.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 122, 0) }
```

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

```
.background{ background-color: rgb(40, 122,  
0) }
```

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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