

Converting Colors

$Y_{xy}(15.0310, 0.3152, 0.5880)$

Have a look what the booklet for
Yxy(15.0310, 0.3152, 0.5880)
contains.

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Color

Yxy(15.0423, 0.3151, 0.5880)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 247D00 |
| RGB | 36, 125, 0 |
| RGB Percent | 14%, 49%, 0% |
| CMY | 0.8589, 0.5098, 0.9999 |
| CMYK | 0.71, 0.00, 1.00, 0.51 |
| HSL | 103°, 100%, 25% |
| HSV | 103°, 100%, 49% |
| XYZ | 8.0609, 15.0423, 2.4789 |
| YIQ | 84.1390, -12.9190, -57.7430 |

Conversions

Conversions Part 2

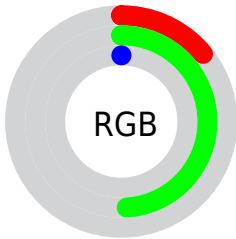
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 125, 89 |
| Decimal | 2391296 |
| CIELab | 45.69, -46.24, 49.68 |
| CIELCh | 46, 67.868, 132.943 |
| Yxy | 15.0423, 0.3151, 0.5880 |
| Android (android.graphics.Color) | 4280581376 (0xFF247D00) |
| YUV | 84.1390, -41.4805, -42.2179 |
| Hunter-Lab | 38.7844, -30.7733, 23.3596 |

Details

The Yxy color **15.0423, 0.3151, 0.5880** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.6066, 0.2515, 0.1159**, and the grayscale version is **8.9855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0859, 0.3248, 0.5217**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0427, 0.3151, 0.5880**, and if you desaturate by 10%, it is **15.2513, 0.3189, 0.5735**.

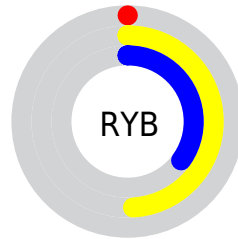
Distribution



Red (14%)

Green (49%)

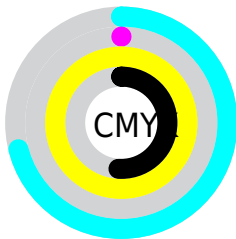
Blue (0%)



Red (0%)

Yellow (49%)

Blue (35%)

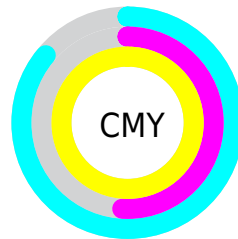


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (86%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0423, 0.3151, 0.5880 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 15.0423, 0.3151, 0.5880 by changing the saturation by 10% instead.


 15.0423, 0.3151,
0.5880


 15.0423, 0.3151,
0.5880


223.6221, 0.3258,
0.4271


 8.8491, 0.3019,
0.6383


 34.9274, 0.3248,
0.5213


 4.6429, 0.2803,
0.7197

 49.3880, 0.3263,
0.4986


 2.0393, 0.2039,
0.7961

 67.3732, 0.3269,
0.4805

 0.6301, 0.0000,
1.0000


 89.2675, 0.3270,
0.4658


 0.0000, 0.0000,
0.0000


 115.4551, 0.3269,
0.4536


 146.3204, 0.3266,


0.4433


 182.2480, 0.3262,
0.4346


 15.0423, 0.3151,
0.5880


 15.0423, 0.3151,
0.5880

 15.0427, 0.3151,
0.5880

 15.2513, 0.3189,
0.5735

 15.5169, 0.3224,
0.5546

 15.8517, 0.3246,
0.5302

 16.2609, 0.3255,
0.5016

 16.7490, 0.3252,
0.4708

■ 17.3203, 0.3238,
0.4394

■ 17.9785, 0.3217,
0.4088

■ 18.7274, 0.3190,
0.3799

■ 19.5703, 0.3159,
0.3532

Harmonies

Analogous

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



15.0423, 0.4294, 0.5390



15.0423, 0.3151, 0.5880



15.0423, 0.2058, 0.5011

Triad

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



15.0423, 0.3151, 0.5880



15.0423, 0.1195, 0.1588



15.0423, 0.5234, 0.2828

Complementary

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



15.0423, 0.3151, 0.5880



3.6066, 0.2515, 0.1159

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.



15.0423, 0.3934, 0.2150



15.0423, 0.3151, 0.5880



15.0423, 0.1659, 0.1478

Square

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



15.0423, 0.3151, 0.5880



15.0423, 0.1081, 0.2116



15.0423, 0.2573, 0.1673



15.0423, 0.5704, 0.3590

Rectangle

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



15.0423, 0.3151, 0.5880



15.0423, 0.1517, 0.3857



15.0423, 0.2573, 0.1673



15.0423, 0.4861, 0.2588

Sweetspot

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



15.0429, 0.3151, 0.5880



32.1007, 0.3218, 0.4110



11.2592, 0.4818, 0.4556



7.2063, 0.3226, 0.4215



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.0429, 0.3151, 0.5880



26.8691, 0.3136, 0.5892



14.7384, 0.2932, 0.5753



4.8741, 0.3156, 0.3510



15.6959, 0.3150, 0.5881



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.6066, 0.2515, 0.1159



6.3804, 0.2498, 0.1150



5.2808, 0.3768, 0.1850



4.3522, 0.3095, 0.3074



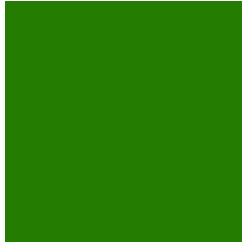
3.7597, 0.2513, 0.1158



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.0423, 0.3151, 0.5880 looks on a white background.

Color Contrast Check

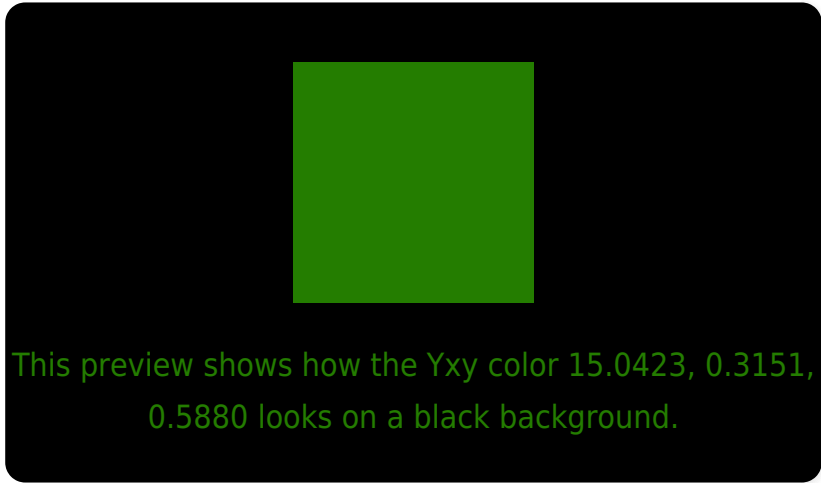
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 15.0423, 0.3151, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 15.0423, 0.3151, 0.5880.



This preview shows how white text looks on a background with the Yxy color 15.0423, 0.3151, 0.5880.

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

15.0423, 0.3151, 0.5880

Protanopia

14.8627, 0.4402, 0.4887

Deuteranopia

14.7328, 0.4560, 0.4496



Tritanopia

15.0213, 0.2447, 0.3064

Trichromacy



Original Color

15.0423, 0.3151, 0.5880

Protanomaly

14.2588, 0.3855, 0.5321

Deuteranomaly

13.8450, 0.3964, 0.5071

Tritanomaly

14.5297, 0.2803, 0.4282

Monochromacy



Original Color

15.0423, 0.3151, 0.5880

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.3740, 0.3258, 0.4555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0423, 0.3151, 0.5880 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(36, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 125, 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(36, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0423, 0.3151, 0.5880 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(36, 125, 0) }
```

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

```
.border{ border-color:rgb(36, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(36, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 125, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0423, 0.3151, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 125, 0) }
```

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

```
.background{ background-color: rgb(36, 125,  
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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