

Converting Colors

$Y_{xy}(15.5661, 0.3209, 0.5834)$

Have a look what the booklet for
Yxy(15.5661, 0.3209, 0.5834)
contains.

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Color

Yxy(15.4572, 0.3208, 0.5835)

Conversions

Conversions Part 1

Format	Color
Hex	2C7E00
RGB	44, 126, 0
RGB Percent	17%, 49%, 0%
CMY	0.8276, 0.5059, 1.0000
CMYK	0.65, 0.00, 1.00, 0.51
HSL	99°, 100%, 25%
HSV	99°, 100%, 49%
XYZ	8.4981, 15.4572, 2.5351
YIQ	87.1180, -8.4260, -56.5700

Conversions

Conversions Part 2

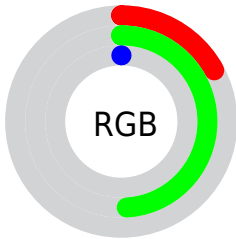
Format	Color
RYB	0, 126, 82
Decimal	2915840
CIELab	46.25, -44.76, 50.22
CIELCh	46, 67.274, 131.705
Yxy	15.4572, 0.3208, 0.5835
Android (android.graphics.Color)	4281105920 (0xFF2C7E00)
YUV	87.1180, -42.9492, -37.8145
Hunter-Lab	39.3156, -30.2193, 23.6978

Details

The Yxy color **15.4572, 0.3208, 0.5835** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.3025, 0.2373, 0.1081**, and the grayscale version is **9.6514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8262, 0.3292, 0.5196**, and **5.1689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.4579, 0.3208, 0.5835**, and if you desaturate by 10%, it is **15.6858, 0.3249, 0.5690**.

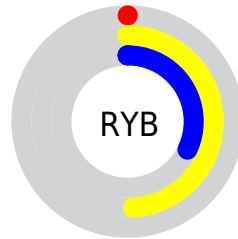
Distribution



Red (17%)

Green (49%)

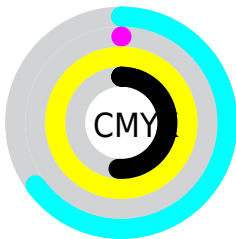
Blue (0%)



Red (0%)

Yellow (49%)

Blue (32%)

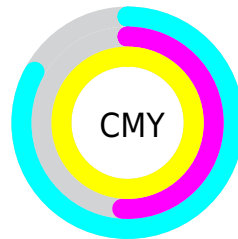


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (83%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4572, 0.3208, 0.5835 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 15.4572, 0.3208, 0.5835 by changing the saturation by 10% instead.


 15.4572, 0.3208,
0.5835


 15.4572, 0.3208,
0.5835

226.1171, 0.3279,
0.4265


 9.1409, 0.3089,
0.6317


 35.6533, 0.3290,
0.5188


 4.8332, 0.2897,
0.7103

 50.3018, 0.3300,
0.4967

 2.1497, 0.2232,
0.7768

 68.4966, 0.3302,
0.4790

 0.6924, 0.0000,
1.0000

 90.6219, 0.3300,
0.4646

 0.0000, 0.0000,
0.0000

 117.0622, 0.3296,
0.4526

 148.2019, 0.3291,

0.4425

 184.4254, 0.3285,
0.4339


 15.4572, 0.3208,
0.5835

 15.4572, 0.3208,
0.5835


 15.4579, 0.3208,
0.5835

 15.6858, 0.3249,
0.5690

 15.9665, 0.3284,
0.5505

 16.3116, 0.3304,
0.5267

 16.7256, 0.3308,
0.4990

 17.2127, 0.3298,
0.4690

■ 17.7766, 0.3276,
0.4383

■ 18.4207, 0.3245,
0.4082

■ 19.1483, 0.3208,
0.3797

■ 19.9624, 0.3168,
0.3532

Harmonies

Analogous

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



15.4572, 0.4333, 0.5332



15.4572, 0.3208, 0.5835



15.4572, 0.2118, 0.5038

Triad

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



15.4572, 0.3208, 0.5835



15.4572, 0.1206, 0.1623



15.4572, 0.5158, 0.2809

Complementary

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



15.4572, 0.3208, 0.5835



3.3025, 0.2373, 0.1081

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.



15.4572, 0.3862, 0.2141



15.4572, 0.3208, 0.5835



15.4572, 0.1652, 0.1497

Square

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



15.4572, 0.3208, 0.5835



15.4572, 0.1108, 0.2170



15.4572, 0.2536, 0.1680



15.4572, 0.5667, 0.3564

Rectangle

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



15.4572, 0.3208, 0.5835



15.4572, 0.1568, 0.3920



15.4572, 0.2536, 0.1680



15.4572, 0.4781, 0.2572

Sweetspot

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



15.4579, 0.3208, 0.5835



32.3367, 0.3247, 0.4103



10.4562, 0.4947, 0.4454



7.2638, 0.3259, 0.4205



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.



15.4579, 0.3208, 0.5835



27.1333, 0.3193, 0.5847



14.9700, 0.2955, 0.5836



4.8860, 0.3165, 0.3509



15.8544, 0.3207, 0.5836



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.3025, 0.2373, 0.1081



5.7321, 0.2355, 0.1071



5.4999, 0.3614, 0.1764



4.3397, 0.3086, 0.3074



3.3853, 0.2372, 0.1081



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.4572, 0.3208, 0.5835 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 15.4572, 0.3208, 0.5835 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 15.4572, 0.3208, 0.5835

Background



This preview shows how black text looks on a background with the Yxy color 15.4572, 0.3208, 0.5835.



This preview shows how white text looks on a background with the Yxy color 15.4572, 0.3208, 0.5835.

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

15.4572, 0.3208, 0.5835

Protanopia

15.1482, 0.4400, 0.4888

Deuteranopia

15.2981, 0.4557, 0.4508



Tritanopia

15.4482, 0.2484, 0.3068

Trichromacy



Original Color

15.4572, 0.3208, 0.5835

Protanomaly

14.6412, 0.3887, 0.5296

Deuteranomaly

14.5124, 0.3999, 0.5052

Tritanomaly

14.9568, 0.2850, 0.4260

Monochromacy



Original Color

15.4572, 0.3208, 0.5835

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.9228, 0.3286, 0.4519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4572, 0.3208, 0.5835 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(44, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 126, 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(44, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4572, 0.3208, 0.5835 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(44, 126, 0) }
```

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

```
.border{ border-color:rgb(44, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(44, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 126, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4572, 0.3208, 0.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 126, 0) }
```

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

```
.background{ background-color: rgb(44, 126,  
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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