

Converting Colors

$Yxy(15.4156, 0.2902, 0.5646)$

Have a look what the booklet for
Yxy(15.4156, 0.2902, 0.5646)
contains.

Yxy(15.2885, 0.2899, 0.5636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.2885, 0.2899, 0.5636)

Conversions

Conversions Part 1

Format	Color
Hex	007F21
RGB	0, 127, 33
RGB Percent	0%, 50%, 13%
CMY	0.9999, 0.5020, 0.8706
CMYK	1.00, 0.00, 0.74, 0.50
HSL	136°, 100%, 25%
HSV	136°, 100%, 50%
XYZ	7.8640, 15.2885, 3.9740
YIQ	78.3110, -45.5180, -56.1580

Conversions

Conversions Part 2

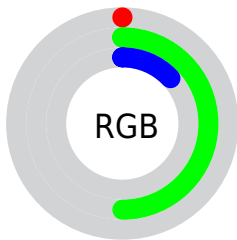
Format	Color
RYB	0, 101, 127
Decimal	32545
CIELab	46.03, -49.48, 40.60
CIELCh	46, 64.008, 140.631
Yxy	15.2885, 0.2899, 0.5636
Android (android.graphics.Color)	4278222625 (0xFF007F21)
YUV	78.3110, -22.3383, -68.6787
Hunter-Lab	39.1005, -32.5256, 21.3443

Details

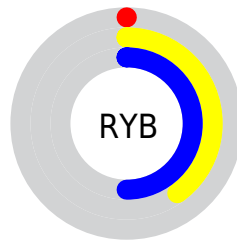
The Yxy color **15.2885, 0.2899, 0.5636** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.3220, 0.3968, 0.1960**, and the grayscale version is **7.7323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3778, 0.3028, 0.5007**, and **5.1689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.2888, 0.2899, 0.5636**, and if you desaturate by 10%, it is **15.4327, 0.2881, 0.5437**.

Distribution



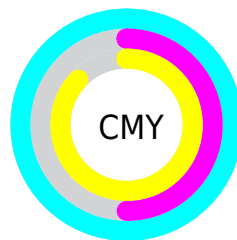
- Red (0%)
- Green (50%)
- Blue (13%)



- Red (0%)
- Yellow (40%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (50%)




- Cyan (100%)
- Magenta (50%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2885, 0.2899, 0.5636 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 15.2885, 0.2899, 0.5636 by changing the saturation by 10% instead.


 15.2885, 0.2899,
0.5636


 15.2885, 0.2899,
0.5636


225.1059, 0.3119,
0.4153


 9.0221, 0.2763,
0.6141


 35.3585, 0.3024,
0.5002


 4.7556, 0.2556,
0.7004

 49.9309, 0.3055,
0.4794


 2.1046, 0.1852,
0.8148

 68.0408, 0.3076,
0.4630

 0.6672, 0.0000,
1.0000

 90.0725, 0.3090,
0.4497


 0.0000, 0.0000,
0.0000


 116.4105, 0.3101,
0.4388

 147.4391, 0.3108,


0.4297


 183.5428, 0.3114,
0.4219


 15.2885, 0.2899,
0.5636


 15.2885, 0.2899,
0.5636


 15.2888, 0.2899,
0.5636

 15.4327, 0.2881,
0.5437

 15.6375, 0.2868,
0.5205

 15.9329, 0.2870,
0.4947

 16.3286, 0.2884,
0.4677

 16.8330, 0.2911,
0.4406

■ 17.4536, 0.2946,
0.4144

■ 18.1972, 0.2988,
0.3898

■ 19.0701, 0.3033,
0.3673

■ 20.0783, 0.3080,
0.3470

Harmonies

Analogous

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



15.2885, 0.4004, 0.5488



15.2885, 0.2899, 0.5636



15.2885, 0.1904, 0.4496

Triad

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



15.2885, 0.2899, 0.5636



15.2885, 0.1355, 0.1606



15.2885, 0.5318, 0.3050

Complementary

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



15.2885, 0.2899, 0.5636



5.3220, 0.3968, 0.1960

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.



15.2885, 0.4240, 0.2361



15.2885, 0.2899, 0.5636



15.2885, 0.1909, 0.1576

Square

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



15.2885, 0.2899, 0.5636



15.2885, 0.1163, 0.2005



15.2885, 0.2907, 0.1838



15.2885, 0.5541, 0.3815

Rectangle

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



15.2885, 0.2899, 0.5636



15.2885, 0.1458, 0.3430



15.2885, 0.2907, 0.1838



15.2885, 0.5035, 0.2810

Sweetspot

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



15.2891, 0.2899, 0.5636



32.4795, 0.2985, 0.3916



17.6261, 0.3771, 0.5388



7.4890, 0.2969, 0.4001



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.2891, 0.2899, 0.5636



27.3562, 0.2910, 0.5674



16.0104, 0.2470, 0.4090



4.8357, 0.3084, 0.3454



15.4185, 0.2899, 0.5637



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.3220, 0.3968, 0.1960



9.5034, 0.3989, 0.1971



4.6160, 0.5854, 0.2999



4.3939, 0.3173, 0.3132



5.3661, 0.3968, 0.1960



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.2885, 0.2899, 0.5636 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 15.2885, 0.2899, 0.5636 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 15.2885, 0.2899, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 15.2885, 0.2899, 0.5636.



This preview shows how white text looks on a background with the Yxy color 15.2885, 0.2899, 0.5636.

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

15.2885, 0.2899, 0.5636

Protanopia

15.1587, 0.4261, 0.4713

Deuteranopia

15.0186, 0.4415, 0.4345



Tritanopia

15.2454, 0.2369, 0.3063

Trichromacy



Original Color

15.2885, 0.2899, 0.5636



Protanomaly

14.2042, 0.3526, 0.5205



Deuteranomaly

13.7133, 0.3603, 0.4942



Tritanomaly

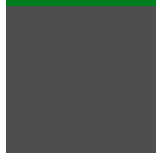
14.7884, 0.2555, 0.4003

Monochromacy



Original Color

15.2885, 0.2899, 0.5636



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.3917, 0.2922, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2885, 0.2899, 0.5636 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, 127, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 33)  
}
```

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, 127, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 33) }
```

Border

The CSS property to change the border of an element to Yxy 15.2885, 0.2899, 0.5636 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, 127, 33) }
```

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

```
.border{ border-color:rgb(0, 127, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 127, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2885, 0.2899, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 33) }
```

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

```
.background{ background-color: rgb(0, 127,  
33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor