

Converting Colors

$Y_{xy}(15.6179, 0.3023, 0.5694)$

Have a look what the booklet for
Yxy(15.6179, 0.3023, 0.5694)
contains.

Yxy(15.7415, 0.3023, 0.5702)	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

$Y_{xy}(15.7415, 0.3023, 0.5702)$

Conversions

Conversions Part 1

Format	Color
Hex	1B8019
RGB	27, 128, 25
RGB Percent	11%, 50%, 10%
CMY	0.8944, 0.4980, 0.9018
CMYK	0.79, 0.00, 0.80, 0.50
HSL	119°, 67%, 30%
HSV	119°, 80%, 50%
XYZ	8.3456, 15.7415, 3.5199
YIQ	86.0590, -27.1330, -53.4450

Conversions

Conversions Part 2

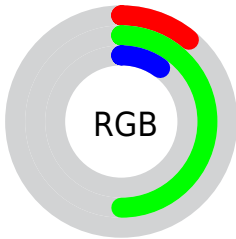
Format	Color
R_{YB}	25, 128, 126
Decimal	1802265
CIE _{Lab}	46.63, -47.74, 44.28
CIE _{LCh}	47, 65.111, 137.154
Yxy	15.7415, 0.3023, 0.5702
Android (android.graphics.Color)	4279992345 (0xFF1B8019)
YUV	86.0590, -30.1021, -51.7947
Hunter-Lab	39.6756, -31.8855, 22.5129

Details

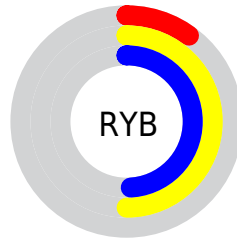
The Yxy color **15.7415, 0.3023, 0.5702** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.6988, 0.3168, 0.1650**, and the grayscale version is **9.3859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1654, 0.3126, 0.5074**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.5632, 0.3012, 0.5878**, and if you desaturate by 10%, it is **16.0197, 0.3037, 0.5452**.

Distribution



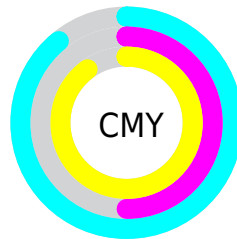
- Red (11%)
- Green (50%)
- Blue (10%)



- Red (10%)
- Yellow (50%)
- Blue (49%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (50%)





- Cyan (89%)
- Magenta (50%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7415, 0.3023, 0.5702 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 15.7415, 0.3023, 0.5702 by changing the saturation by 10% instead.


 15.7415, 0.3023,
0.5702


 15.7415, 0.3023,
0.5702


227.8115, 0.3179,
0.4193


 9.3414, 0.2899,
0.6195


 36.1489, 0.3127,
0.5067


 4.9645, 0.2737,
0.7099

 50.9249, 0.3149,
0.4855


 2.2265, 0.2080,
0.7920

 69.2618, 0.3162,
0.4687

 0.7344, 0.0000,
1.0000


 91.5438, 0.3170,
0.4550


 0.0000, 0.0000,
0.0000


 118.1554, 0.3175,
0.4437


 149.4809, 0.3178,


0.4343

 185.9048, 0.3179,
0.4262


 15.7415, 0.3023,
0.5702


 15.7415, 0.3023,
0.5702


 15.5632, 0.3012,
0.5878


 16.0197, 0.3037,
0.5452

 15.4550, 0.3006,
0.5995

 16.4072, 0.3052,
0.5147

 16.9146, 0.3067,
0.4810

 17.5505, 0.3082,
0.4467

 18.3230, 0.3096,
0.4135

■ 19.2393, 0.3108,
0.3826

■ 20.3061, 0.3118,
0.3547

■ 21.5299, 0.3127,
0.3300

■ 22.9166, 0.3134,
0.3084

Harmonies

Analogous

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



15.7415, 0.4129, 0.5421



15.7415, 0.3023, 0.5702



15.7415, 0.1994, 0.4690

Triad

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



15.7415, 0.3023, 0.5702



15.7415, 0.1307, 0.1622



15.7415, 0.5245, 0.2962

Complementary

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



15.7415, 0.3023, 0.5702



6.6988, 0.3168, 0.1650

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.



15.7415, 0.4090, 0.2284



15.7415, 0.3023, 0.5702



15.7415, 0.1816, 0.1555

Square

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



15.7415, 0.3023, 0.5702



15.7415, 0.1152, 0.2074



15.7415, 0.2766, 0.1785



15.7415, 0.5576, 0.3720

Rectangle

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



15.7415, 0.3023, 0.5702



15.7415, 0.1510, 0.3608



15.7415, 0.2766, 0.1785



15.7415, 0.4929, 0.2724

Sweetspot

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



15.7422, 0.3023, 0.5702



33.1766, 0.3103, 0.3950



19.2192, 0.4157, 0.4885



7.6543, 0.3099, 0.4044



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.



15.7422, 0.3023, 0.5702



27.2438, 0.3006, 0.5969



16.1290, 0.2712, 0.4689



4.8222, 0.3119, 0.3512



15.3234, 0.3006, 0.5995



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.6988, 0.3168, 0.1650



10.6153, 0.3165, 0.1529



5.8647, 0.4329, 0.2373



4.4085, 0.3134, 0.3077



5.9163, 0.3165, 0.1517



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7415, 0.3023, 0.5702 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 15.7415, 0.3023, 0.5702 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 15.7415, 0.3023, 0.5702

Background



This preview shows how black text looks on a background with the Yxy color 15.7415, 0.3023, 0.5702.



This preview shows how white text looks on a background with the Yxy color 15.7415, 0.3023, 0.5702.

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

15.7415, 0.3023, 0.5702

Protanopia

15.4875, 0.4324, 0.4778

Deuteranopia

15.4313, 0.4500, 0.4409



Tritanopia

15.6782, 0.2407, 0.3066

Trichromacy



Original Color

15.7415, 0.3023, 0.5702

Protanomaly

14.9044, 0.3715, 0.5210

Deuteranomaly

14.5112, 0.3825, 0.4954

Tritanomaly

15.2787, 0.2664, 0.4062

Monochromacy



Original Color

15.7415, 0.3023, 0.5702

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.8013, 0.3093, 0.4306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7415, 0.3023, 0.5702 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(27, 128, 25)` looks like.

```
.text, #text, p{  
    color:rgb(27, 128, 25)  
}
```

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(27, 128, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 128, 25) }
```

Border

The CSS property to change the border of an element to Yxy 15.7415, 0.3023, 0.5702 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(27, 128, 25) }
```

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

```
.border{ border-color:rgb(27, 128, 25) }
```

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

Here you see how a box with a 4 pixel rgb(27, 128, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 128, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 128, 25);  
box-shadow:4px 4px 4px 4px rgb(27, 128,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7415, 0.3023, 0.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 128, 25) }
```

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

```
.background{ background-color: rgb(27, 128,  
25) }
```

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