

Converting Colors

$Y_{xy}(15.7094, 0.3012, 0.5739)$

Have a look what the booklet for
Yxy(15.7094, 0.3012, 0.5739)
contains.

Yxy(15.6824, 0.3012, 0.5742)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6824, 0.3012, 0.5742)

Conversions

Conversions Part 1

Format	Color
Hex	178017
RGB	23, 128, 23
RGB Percent	9%, 50%, 9%
CMY	0.9100, 0.4980, 0.9099
CMYK	0.82, 0.00, 0.82, 0.50
HSL	120°, 70%, 30%
HSV	120°, 82%, 50%
XYZ	8.2263, 15.6824, 3.4030
YIQ	84.6350, -28.8750, -54.9150

Conversions

Conversions Part 2

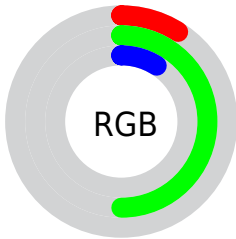
Format	Color
R_{YB}	23, 128, 128
Decimal	1540119
CIE Lab	46.56, -48.46, 44.85
CIE LCh	47, 66.036, 137.215
Yxy	15.6824, 0.3012, 0.5742
Android (android.graphics.Color)	4279730199 (0xFF178017)
YUV	84.6350, -30.3861, -54.0539
Hunter-Lab	39.6010, -32.2221, 22.6257

Details

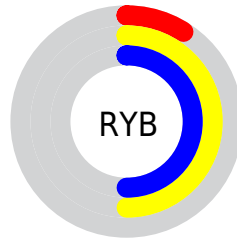
The Yxy color **15.6824, 0.3012, 0.5742** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.7585, 0.3205, 0.1653**, and the grayscale version is **9.0706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0524, 0.3118, 0.5096**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.5275, 0.3004, 0.5903**, and if you desaturate by 10%, it is **15.9364, 0.3023, 0.5504**.

Distribution



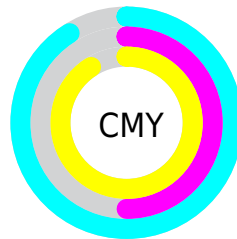
- Red (9%)
- Green (50%)
- Blue (9%)



- Red (9%)
- Yellow (50%)
- Blue (50%)



- Cyan (82%)
- Magenta (0%)
- Yellow (82%)
- Black (50%)





- Cyan (91%)
- Magenta (50%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6824, 0.3012, 0.5742 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 15.6824, 0.3012, 0.5742 by changing the saturation by 10% instead.


 15.6824, 0.3012,
0.5742

 15.6824, 0.3012,
0.5742


227.4603, 0.3178,
0.4207


 9.2997, 0.2882,
0.6243


 36.0460, 0.3122,
0.5096


 4.9372, 0.2720,
0.7185

 50.7956, 0.3145,
0.4880

 2.2104, 0.2018,
0.7982

 69.1030, 0.3159,
0.4709

 0.7257, 0.0000,
1.0000


 91.3525, 0.3168,
0.4570


 0.0000, 0.0000,
0.0000


 117.9287, 0.3173,
0.4456


 149.2157, 0.3176,

0.4359

 185.5981, 0.3178,
0.4278


 15.6824, 0.3012,
0.5742


 15.6824, 0.3012,
0.5742


 15.5275, 0.3004,
0.5903


 15.9364, 0.3023,
0.5504

 15.4397, 0.3000,
0.6000

 16.2998, 0.3037,
0.5205

 16.7841, 0.3053,
0.4871

 17.3985, 0.3069,
0.4526

 18.1515, 0.3085,
0.4189

■ 19.0508, 0.3100,
0.3875

■ 20.1036, 0.3113,
0.3591

■ 21.3167, 0.3125,
0.3338

■ 22.6962, 0.3135,
0.3117

Harmonies

Analogous

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



15.6824, 0.4130, 0.5446



15.6824, 0.3012, 0.5742



15.6824, 0.1975, 0.4711

Triad

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



15.6824, 0.3012, 0.5742



15.6824, 0.1289, 0.1603



15.6824, 0.5278, 0.2956

Complementary

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



15.6824, 0.3012, 0.5742



6.7585, 0.3205, 0.1653

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.



15.6824, 0.4106, 0.2272



15.6824, 0.3012, 0.5742



15.6824, 0.1802, 0.1537

Square

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



15.6824, 0.3012, 0.5742



15.6824, 0.1132, 0.2055



15.6824, 0.2762, 0.1770



15.6824, 0.5607, 0.3718

Rectangle

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



15.6824, 0.3012, 0.5742



15.6824, 0.1487, 0.3607



15.6824, 0.2762, 0.1770



15.6824, 0.4958, 0.2716

Sweetspot

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



15.6831, 0.3012, 0.5742



32.9535, 0.3095, 0.3982



20.0909, 0.4125, 0.4940



7.6057, 0.3090, 0.4075



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.



15.6831, 0.3012, 0.5742



27.2104, 0.3001, 0.5982



16.1359, 0.2685, 0.4629



4.8188, 0.3117, 0.3512



15.3083, 0.3000, 0.6000



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.7585, 0.3205, 0.1653



10.8943, 0.3210, 0.1550



5.7152, 0.4465, 0.2432



4.4124, 0.3137, 0.3077



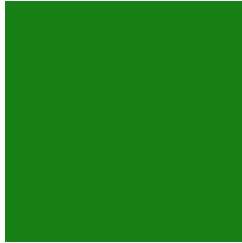
6.0950, 0.3210, 0.1542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.6824, 0.3012, 0.5742 looks on a white background.

Color Contrast Check

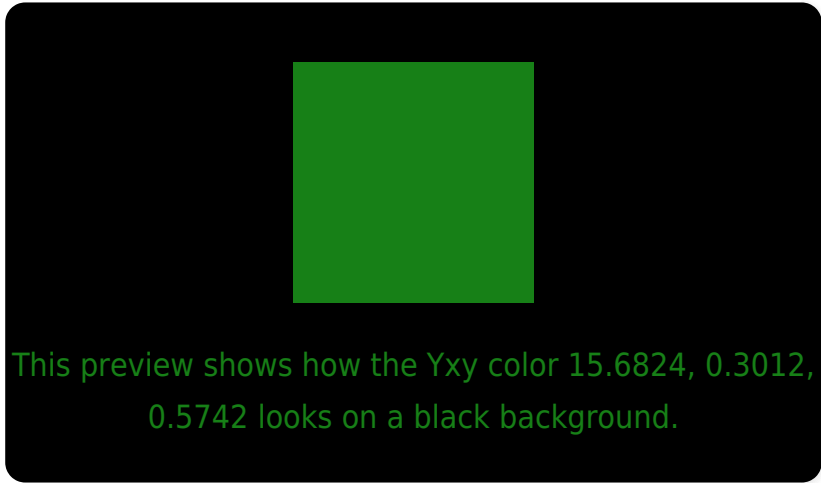
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6824, 0.3012, 0.5742

Background



This preview shows how black text looks on a background with the Yxy color 15.6824, 0.3012, 0.5742.



This preview shows how white text looks on a background with the Yxy color 15.6824, 0.3012, 0.5742.

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

15.6824, 0.3012, 0.5742

Protanopia

15.4806, 0.4333, 0.4793

Deuteranopia

15.3403, 0.4495, 0.4428



Tritanopia

15.6485, 0.2399, 0.3066

Trichromacy



Original Color

15.6824, 0.3012, 0.5742

Protanomaly

14.7993, 0.3696, 0.5250

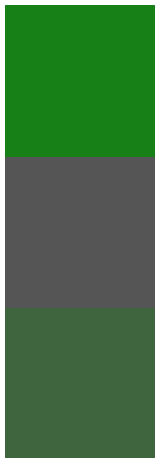
Deuteranomaly

14.3960, 0.3802, 0.4987

Tritanomaly

15.2151, 0.2658, 0.4091

Monochromacy



Original Color

15.6824, 0.3012, 0.5742

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.6793, 0.3076, 0.4375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6824, 0.3012, 0.5742 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(23, 128, 23)` looks like.

```
.text, #text, p{  
    color:rgb(23, 128, 23)  
}
```

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(23, 128, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 128, 23) }
```

Border

The CSS property to change the border of an element to Yxy 15.6824, 0.3012, 0.5742 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(23, 128, 23) }
```

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

```
.border{ border-color:rgb(23, 128, 23) }
```

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

Here you see how a box with a 4 pixel rgb(23, 128, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 128, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 128, 23);  
box-shadow:4px 4px 4px 4px rgb(23, 128,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6824, 0.3012, 0.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 128, 23) }
```

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

```
.background{ background-color: rgb(23, 128,  
23) }
```

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