

Converting Colors

$Y_{xy}(15.8169, 0.3644, 0.5489)$

Have a look what the booklet for
Yxy(15.8169, 0.3644, 0.5489)
contains.

Yxy(15.7129, 0.3646, 0.5487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.7129, 0.3646, 0.5487)

Conversions

Conversions Part 1

Format	Color
Hex	527A00
RGB	82, 122, 0
RGB Percent	32%, 48%, 0%
CMY	0.6783, 0.5216, 0.9999
CMYK	0.33, 0.00, 1.00, 0.52
HSL	80°, 100%, 24%
HSV	80°, 100%, 48%
XYZ	10.4409, 15.7129, 2.4828
YIQ	96.1320, 15.3220, -46.4220

Conversions

Conversions Part 2

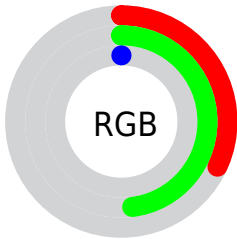
Format	Color
RYB	0, 122, 40
Decimal	5405184
CIELab	46.60, -30.35, 51.21
CIELCh	47, 59.526, 120.651
Yxy	15.7129, 0.3646, 0.5487
Android (android.graphics.Color)	4283595264 (0xFF527A00)
YUV	96.1320, -47.3931, -12.3938
Hunter-Lab	39.6395, -22.3529, 24.0341

Details

The Yxy color **15.7129, 0.3646, 0.5487** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.8563, 0.1770, 0.0749**, and the grayscale version is **11.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2531, 0.3617, 0.4970**, and **5.0263, 0.3308, 0.5755** is the 20% darker color. If you saturate the color by 10%, you get **15.7134, 0.3646, 0.5487**, and if you desaturate by 10%, it is **15.9252, 0.3665, 0.5371**.

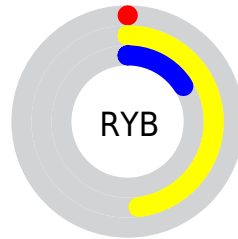
Distribution



Red (32%)

Green (48%)

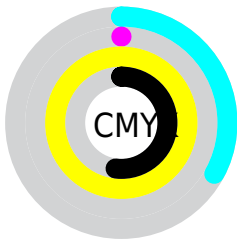
Blue (0%)



Red (0%)

Yellow (48%)

Blue (16%)

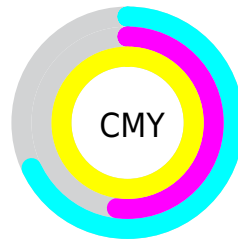


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (68%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7129, 0.3646, 0.5487 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 15.7129, 0.3646, 0.5487 by changing the saturation by 10% instead.


 15.7129, 0.3646,
0.5487


 15.7129, 0.3646,
0.5487


227.6416, 0.3446,
0.4178


 9.3212, 0.3619,
0.5859


 36.0991, 0.3613,
0.4966


 4.9513, 0.3560,
0.6440

 50.8623, 0.3586,
0.4783

 2.2187, 0.3141,
0.6859

 69.1849, 0.3558,
0.4633

 0.7302, 0.0000,
1.0000


 91.4513, 0.3531,
0.4509


 0.0000, 0.0000,
0.0000


 118.0457, 0.3507,
0.4406


 149.3526, 0.3485,


0.4318


 185.7565, 0.3464,
0.4243


 15.7129, 0.3646,
0.5487

 15.7129, 0.3646,
0.5487


 15.7134, 0.3646,
0.5487

 15.9252, 0.3665,
0.5371

 16.1610, 0.3670,
0.5227

 16.4304, 0.3652,
0.5040

 16.7363, 0.3612,
0.4818

 17.0813, 0.3554,
0.4570

■ 17.4674, 0.3481,
0.4308

■ 17.8967, 0.3398,
0.4041

■ 18.3710, 0.3309,
0.3779

■ 18.8922, 0.3218,
0.3527

Harmonies

Analogous

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



15.7129, 0.4621, 0.4898



15.7129, 0.3646, 0.5487



15.7129, 0.2603, 0.5198

Triad

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



15.7129, 0.3646, 0.5487



15.7129, 0.1294, 0.1920



15.7129, 0.4552, 0.2634

Complementary

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



15.7129, 0.3646, 0.5487



1.8563, 0.1770, 0.0749

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.



15.7129, 0.3326, 0.2065



15.7129, 0.3646, 0.5487



15.7129, 0.1590, 0.1660

Square

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



15.7129, 0.3646, 0.5487



15.7129, 0.1332, 0.2635



15.7129, 0.2257, 0.1724



15.7129, 0.5327, 0.3327

Rectangle

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



15.7129, 0.3646, 0.5487



15.7129, 0.1999, 0.4392



15.7129, 0.2257, 0.1724



15.7129, 0.4161, 0.2424

Sweetspot

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



15.7136, 0.3646, 0.5487



31.4285, 0.3404, 0.4061



5.5651, 0.5858, 0.3730



7.1265, 0.3433, 0.4150



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.7136, 0.3646, 0.5487



27.5700, 0.3633, 0.5497



14.0935, 0.3076, 0.5940



4.5712, 0.3209, 0.3505



16.5396, 0.3645, 0.5488



78.4192, 0.3617, 0.5510

Inverse Universe

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



1.8563, 0.1770, 0.0749



3.1970, 0.1748, 0.0737



4.0939, 0.2765, 0.1297



3.9514, 0.3040, 0.3072



1.9497, 0.1768, 0.0748



8.8833, 0.1720, 0.0721

Previews

White Background



This preview shows how the Yxy color 15.7129, 0.3646, 0.5487 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 15.7129, 0.3646, 0.5487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

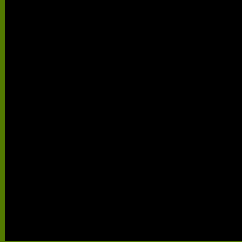
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.7129, 0.3646, 0.5487

Background



This preview shows how black text looks on a background with the Yxy color 15.7129, 0.3646, 0.5487.



This preview shows how white text looks on a background with the Yxy color 15.7129, 0.3646, 0.5487.

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

15.7129, 0.3646, 0.5487

Protanopia

15.4369, 0.4399, 0.4889

Deuteranopia

15.6540, 0.4595, 0.4537



Tritanopia

15.5951, 0.2789, 0.3100

Trichromacy



Original Color

15.7129, 0.3646, 0.5487

Protanomaly

15.2858, 0.4120, 0.5110

Deuteranomaly

15.2549, 0.4245, 0.4890

Tritanomaly

15.2145, 0.3237, 0.4160

Monochromacy



Original Color

15.7129, 0.3646, 0.5487

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.6642, 0.3497, 0.4338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7129, 0.3646, 0.5487 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(82, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 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(82, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7129, 0.3646, 0.5487 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(82, 122, 0) }
```

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

```
.border{ border-color:rgb(82, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(82, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(82, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7129, 0.3646, 0.5487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 0) }
```

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

```
.background{ background-color: rgb(82, 122,  
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](#).

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