

Converting Colors

$Y_{xy}(14.8191, 0.3658, 0.5478)$

Have a look what the booklet for
Yxy(14.8191, 0.3658, 0.5478)
contains.

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Color

Yxy(14.8991, 0.3647, 0.5486)

Conversions

Conversions Part 1

Format	Color
Hex	507700
RGB	80, 119, 0
RGB Percent	31%, 47%, 0%
CMY	0.6863, 0.5333, 0.9999
CMYK	0.33, 0.00, 1.00, 0.53
HSL	80°, 100%, 23%
HSV	80°, 100%, 47%
XYZ	9.9047, 14.8991, 2.3546
YIQ	93.7730, 14.9550, -45.2770

Conversions

Conversions Part 2

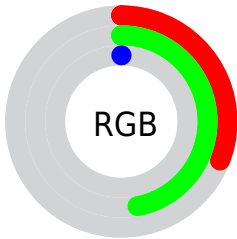
Format	Color
RYB	0, 119, 39
Decimal	5273344
CIELab	45.50, -29.78, 50.31
CIELCh	45, 58.459, 120.622
Yxy	14.8991, 0.3647, 0.5486
Android (android.graphics.Color)	4283463424 (0xFF507700)
YUV	93.7730, -46.2301, -12.0789
Hunter-Lab	38.5994, -21.7454, 23.4027

Details

The Yxy color **14.8991, 0.3647, 0.5486** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.7651, 0.1773, 0.0751**, and the grayscale version is **11.2465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4602, 0.3615, 0.4962**, and **4.6272, 0.3316, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **14.8992, 0.3647, 0.5486**, and if you desaturate by 10%, it is **15.1009, 0.3665, 0.5369**.

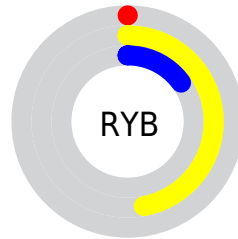
Distribution



Red (31%)

Green (47%)

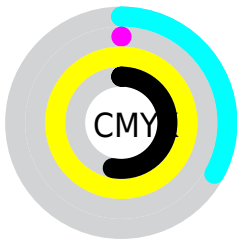
Blue (0%)



Red (0%)

Yellow (47%)

Blue (15%)

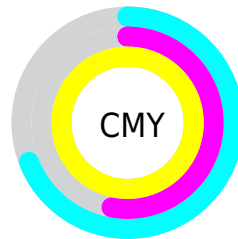


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (69%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8991, 0.3647, 0.5486 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 14.8991, 0.3647, 0.5486 by changing the saturation by 10% instead.


 14.8991, 0.3647,
0.5486


 14.8991, 0.3647,
0.5486


 222.7547, 0.3444,
0.4168

 8.7486, 0.3621,
0.5868


 34.6761, 0.3613,
0.4958

 4.5776, 0.3550,
0.6450

 49.0713, 0.3585,
0.4773


 2.0016, 0.3114,
0.6886

 66.9837, 0.3556,
0.4623

 0.6084, 0.0000,
1.0000

 88.7974, 0.3530,
0.4499


 0.0000, 0.0000,
0.0000


 114.8970, 0.3505,
0.4395


 145.6668, 0.3482,


0.4308


 181.4912, 0.3462,
0.4233


 14.8991, 0.3647,
0.5486


 14.8991, 0.3647,
0.5486


 14.8992, 0.3647,
0.5486

 15.1009, 0.3665,
0.5369

 15.3246, 0.3670,
0.5224

 15.5802, 0.3651,
0.5036

 15.8702, 0.3611,
0.4814

 16.1971, 0.3553,
0.4566

■ 16.5628, 0.3480,
0.4304

■ 16.9693, 0.3397,
0.4039

■ 17.4184, 0.3308,
0.3777

■ 17.9116, 0.3217,
0.3526

Harmonies

Analogous

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



14.8991, 0.4621, 0.4897



14.8991, 0.3647, 0.5486



14.8991, 0.2604, 0.5198

Triad

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



14.8991, 0.3647, 0.5486



14.8991, 0.1295, 0.1920



14.8991, 0.4551, 0.2633

Complementary

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



14.8991, 0.3647, 0.5486



1.7651, 0.1773, 0.0751

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.



14.8991, 0.3325, 0.2065



14.8991, 0.3647, 0.5486



14.8991, 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.



14.8991, 0.3647, 0.5486



14.8991, 0.1333, 0.2636



14.8991, 0.2256, 0.1725



14.8991, 0.5326, 0.3327

Rectangle

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



14.8991, 0.3647, 0.5486



14.8991, 0.2000, 0.4393



14.8991, 0.2256, 0.1725



14.8991, 0.4159, 0.2424

Sweetspot

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



14.8998, 0.3647, 0.5486



30.3248, 0.3404, 0.4060



5.2900, 0.5853, 0.3734



7.1262, 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.



14.8998, 0.3647, 0.5486



26.6017, 0.3634, 0.5497



13.3635, 0.3077, 0.5938



4.2090, 0.3209, 0.3503



15.8231, 0.3645, 0.5488



76.6285, 0.3617, 0.5510

Inverse Universe

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



1.7651, 0.1773, 0.0751



3.0891, 0.1750, 0.0738



3.8848, 0.2766, 0.1298



3.6428, 0.3041, 0.3074



1.8690, 0.1770, 0.0749



8.6874, 0.1721, 0.0722

Previews

White Background



This preview shows how the Yxy color 14.8991, 0.3647, 0.5486 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 14.8991, 0.3647, 0.5486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

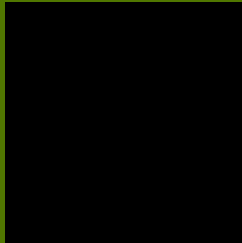
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8991, 0.3647, 0.5486

Background



This preview shows how black text looks on a background with the Yxy color 14.8991, 0.3647, 0.5486.



This preview shows how white text looks on a background with the Yxy color 14.8991, 0.3647, 0.5486.

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

14.8991, 0.3647, 0.5486

Protanopia

14.7901, 0.4387, 0.4898

Deuteranopia

14.7155, 0.4587, 0.4531



Tritanopia

14.9761, 0.2795, 0.3117

Trichromacy



Original Color

14.8991, 0.3647, 0.5486

Protanomaly

14.6525, 0.4104, 0.5123

Deuteranomaly

14.4045, 0.4244, 0.4884

Tritanomaly

14.6311, 0.3238, 0.4175

Monochromacy



Original Color

14.8991, 0.3647, 0.5486

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.1506, 0.3490, 0.4333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8991, 0.3647, 0.5486 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(80, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 119, 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(80, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8991, 0.3647, 0.5486 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(80, 119, 0) }
```

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

```
.border{ border-color:rgb(80, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(80, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 119, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8991, 0.3647, 0.5486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 119, 0) }
```

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

```
.background{ background-color: rgb(80, 119,  
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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