

Converting Colors

$Y_{xy}(18.4300, 0.3340, 0.5730)$

Have a look what the booklet for
Yxy(18.4300, 0.3340, 0.5730)
contains.

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Color

Yxy(18.3847, 0.3339, 0.5730)

Conversions

Conversions Part 1

Format	Color
Hex	3F8700
RGB	63, 135, 0
RGB Percent	25%, 53%, 0%
CMY	0.7530, 0.4706, 0.9995
CMYK	0.53, 0.00, 1.00, 0.47
HSL	92°, 100%, 26%
HSV	92°, 100%, 53%
XYZ	10.7132, 18.3847, 2.9871
YIQ	98.0820, 0.4230, -57.2490

Conversions

Conversions Part 2

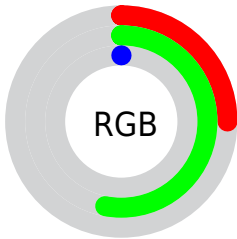
Format	Color
RYB	0, 135, 72
Decimal	4163328
CIELab	49.96, -42.78, 53.40
CIELCh	50, 68.427, 128.699
Yxy	18.3847, 0.3339, 0.5730
Android (android.graphics.Color)	4282353408 (0xFF3F8700)
YUV	98.0820, -48.3544, -30.7669
Hunter-Lab	42.8774, -30.4361, 25.8836

Details

The Yxy color **18.3847, 0.3339, 0.5730** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.1355, 0.2116, 0.0940**, and the grayscale version is **12.3605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7105, 0.3387, 0.5147**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.3831, 0.3339, 0.5731**, and if you desaturate by 10%, it is **18.6689, 0.3381, 0.5596**.

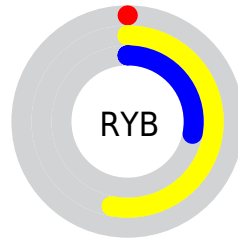
Distribution



Red (25%)

Green (53%)

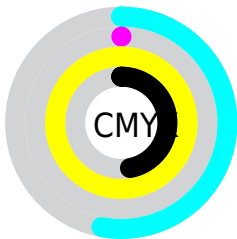
Blue (0%)



Red (0%)

Yellow (53%)

Blue (28%)

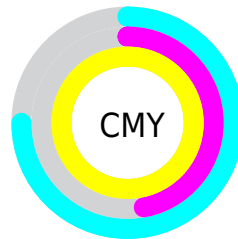


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (75%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3847, 0.3339, 0.5730 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 18.3847, 0.3339, 0.5730 by changing the saturation by 10% instead.


 18.3847, 0.3339,
0.5730

 18.3847, 0.3339,
0.5730


243.0306, 0.3334,
0.4272


 11.2265, 0.3254,
0.6150


 40.6918, 0.3386,
0.5147


 6.2194, 0.3142,
0.6858

 56.6094, 0.3386,
0.4943


 2.9790, 0.2651,
0.7349

 76.2158, 0.3380,
0.4777

 1.1208, 0.0032,
0.9968


 99.8951, 0.3372,
0.4640

 0.0000, 0.0000,
0.0000

 128.0318, 0.3362,
0.4525


 161.0104, 0.3352,


0.4428


 199.2152, 0.3343,
0.4344


 18.3847, 0.3339,
0.5730


 18.3847, 0.3339,
0.5730


 18.3831, 0.3339,
0.5731

 18.6689, 0.3381,
0.5596

 19.0032, 0.3412,
0.5423

 19.3995, 0.3423,
0.5201

 19.8624, 0.3414,
0.4940

 20.3959, 0.3389,
0.4656

■ 21.0036, 0.3350,
0.4363

■ 21.6887, 0.3300,
0.4072

■ 22.4543, 0.3245,
0.3792

■ 23.3034, 0.3186,
0.3530

Harmonies

Analogous

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



18.3847, 0.4423, 0.5201



18.3847, 0.3339, 0.5730



18.3847, 0.2260, 0.5094

Triad

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



18.3847, 0.3339, 0.5730



18.3847, 0.1233, 0.1706



18.3847, 0.4980, 0.2762

Complementary

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



18.3847, 0.3339, 0.5730



3.1355, 0.2116, 0.0940

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.



18.3847, 0.3699, 0.2121



18.3847, 0.3339, 0.5730



18.3847, 0.1634, 0.1545

Square

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



18.3847, 0.3339, 0.5730



18.3847, 0.1171, 0.2300



18.3847, 0.2452, 0.1694



18.3847, 0.5575, 0.3500

Rectangle

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



18.3847, 0.3339, 0.5730



18.3847, 0.1691, 0.4063



18.3847, 0.2452, 0.1694



18.3847, 0.4596, 0.2532

Sweetspot

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



18.3855, 0.3339, 0.5730



38.7390, 0.3304, 0.4094



9.7938, 0.5273, 0.4194



8.8643, 0.3323, 0.4200



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.3855, 0.3339, 0.5730



32.8245, 0.3323, 0.5743



17.3402, 0.2992, 0.5968



5.3032, 0.3181, 0.3510



16.9581, 0.3341, 0.5729



0.0630, 0.3684, 0.5457

Inverse Universe

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



3.1355, 0.2116, 0.0940



5.5101, 0.2095, 0.0927



6.7793, 0.3292, 0.1588



4.6578, 0.3069, 0.3071



2.8947, 0.2119, 0.0941



0.0144, 0.2590, 0.1200

Previews

White Background



This preview shows how the Yxy color 18.3847, 0.3339, 0.5730 looks on a white background.

Color Contrast Check

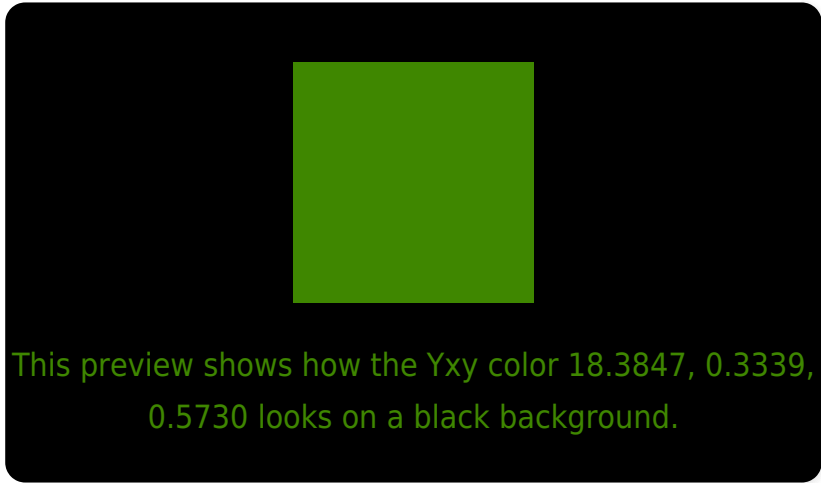
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

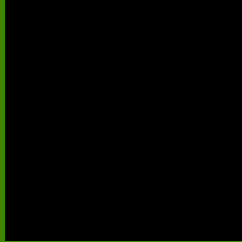
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3847, 0.3339, 0.5730

Background



This preview shows how black text looks on a background with the Yxy color 18.3847, 0.3339, 0.5730.



This preview shows how white text looks on a background with the Yxy color 18.3847, 0.3339, 0.5730.

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

18.3847, 0.3339, 0.5730

Protanopia

18.1802, 0.4385, 0.4900

Deuteranopia

18.0617, 0.4591, 0.4507



Tritanopia

18.2386, 0.2564, 0.3065

Trichromacy



Original Color

18.3847, 0.3339, 0.5730

Protanomaly

17.8554, 0.3963, 0.5235

Deuteranomaly

17.3282, 0.4110, 0.4981

Tritanomaly

17.8845, 0.2958, 0.4241

Monochromacy



Original Color

18.3847, 0.3339, 0.5730

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.6480, 0.3366, 0.4461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3847, 0.3339, 0.5730 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(63, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 135, 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(63, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3847, 0.3339, 0.5730 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(63, 135, 0) }
```

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

```
.border{ border-color:rgb(63, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(63, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 135, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.3847, 0.3339, 0.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 135, 0) }
```

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

```
.background{ background-color: rgb(63, 135,  
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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