

Converting Colors

$Y_{xy}(18.2580, 0.3709, 0.6291)$

Have a look what the booklet for
Yxy(18.2580, 0.3709, 0.6291)
contains.

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Color

Yxy(18.5060, 0.3457, 0.5637)

Conversions

Conversions Part 1

Format	Color
Hex	4A8600
RGB	74, 134, 0
RGB Percent	29%, 53%, 0%
CMY	0.7098, 0.4745, 0.9999
CMYK	0.45, 0.00, 1.00, 0.47
HSL	87°, 100%, 26%
HSV	87°, 100%, 53%
XYZ	11.3492, 18.5060, 2.9744
YIQ	100.7840, 7.2540, -54.3940

Conversions

Conversions Part 2

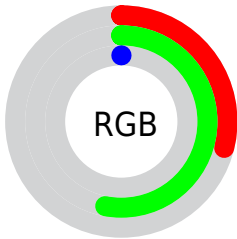
Format	Color
RYB	0, 134, 60
Decimal	4883968
CIELab	50.10, -38.72, 53.74
CIELCh	50, 66.234, 125.772
Yxy	18.5060, 0.3457, 0.5637
Android (android.graphics.Color)	4283074048 (0xFF4A8600)
YUV	100.7840, -49.6865, -23.4896
Hunter-Lab	43.0186, -28.1907, 26.0136

Details

The Yxy color **18.5060, 0.3457, 0.5637** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.6835, 0.1952, 0.0849**, and the grayscale version is **13.0855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0269, 0.3475, 0.5087**, and **6.4340, 0.3089, 0.5930** is the 20% darker color. If you saturate the color by 10%, you get **18.5063, 0.3457, 0.5637**, and if you desaturate by 10%, it is **18.7866, 0.3493, 0.5511**.

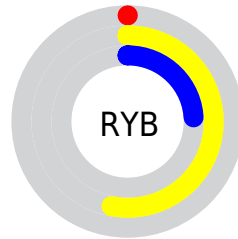
Distribution



Red (29%)

Green (53%)

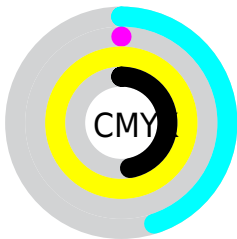
Blue (0%)



Red (0%)

Yellow (53%)

Blue (24%)

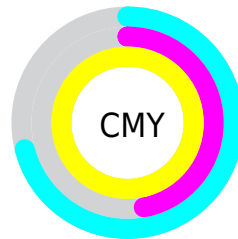


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (71%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5060, 0.3457, 0.5637 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 18.5060, 0.3457, 0.5637 by changing the saturation by 10% instead.


 18.5060, 0.3457,
0.5637


 18.5060, 0.3457,
0.5637


243.7079, 0.3380,
0.4248


 11.3139, 0.3395,
0.6029


 40.8977, 0.3474,
0.5087


 6.2784, 0.3316,
0.6684


 56.8660, 0.3464,
0.4892

 3.0151, 0.2872,
0.7128

 76.5285, 0.3451,
0.4734

 1.1396, 0.0938,
0.9062

 100.2696, 0.3436,
0.4602

 0.0115, 0.0000,
1.0000


 128.4737, 0.3421,
0.4492


 0.0000, 0.0000,
0.0000


 161.5252, 0.3406,

0.4399


 199.8084, 0.3393,
0.4318


 18.5060, 0.3457,
0.5637


 18.5060, 0.3457,
0.5637

 18.5063, 0.3457,
0.5637

 18.7866, 0.3493,
0.5511

 19.1078, 0.3516,
0.5349

 19.4812, 0.3517,
0.5141

 19.9108, 0.3497,
0.4896

 20.4000, 0.3458,
0.4626

■ 20.9520, 0.3405,
0.4345

■ 21.5697, 0.3342,
0.4063

■ 22.2557, 0.3272,
0.3789

■ 23.0125, 0.3200,
0.3530

Harmonies

Analogous

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



18.5060, 0.4501, 0.5084



18.5060, 0.3457, 0.5637



18.5060, 0.2390, 0.5139

Triad

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



18.5060, 0.3457, 0.5637



18.5060, 0.1256, 0.1785



18.5060, 0.4817, 0.2715

Complementary

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



18.5060, 0.3457, 0.5637



2.6835, 0.1952, 0.0849

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.



18.5060, 0.3554, 0.2101



18.5060, 0.3457, 0.5637



18.5060, 0.1617, 0.1588

Square

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



18.5060, 0.3457, 0.5637



18.5060, 0.1231, 0.2424



18.5060, 0.2376, 0.1706



18.5060, 0.5486, 0.3437

Rectangle

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



18.5060, 0.3457, 0.5637



18.5060, 0.1806, 0.4192



18.5060, 0.2376, 0.1706



18.5060, 0.4429, 0.2493

Sweetspot

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



18.5068, 0.3457, 0.5637



37.9243, 0.3346, 0.4082



8.1031, 0.5558, 0.3968



8.4540, 0.3370, 0.4182



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.5068, 0.3457, 0.5637



32.5135, 0.3443, 0.5648



17.1088, 0.3021, 0.5983



5.3220, 0.3194, 0.3509



17.3488, 0.3459, 0.5636



0.0644, 0.3782, 0.5379

Inverse Universe

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



2.6835, 0.1952, 0.0849



4.6380, 0.1931, 0.0837



6.0872, 0.3047, 0.1452



4.6391, 0.3056, 0.3070



2.5200, 0.1955, 0.0850



0.0130, 0.2448, 0.1122

Previews

White Background



This preview shows how the Yxy color 18.5060, 0.3457, 0.5637 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



This preview shows how the Yxy color 18.5060, 0.3457, 0.5637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

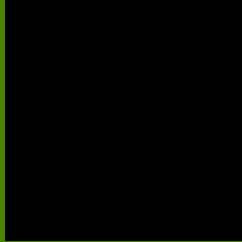
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5060, 0.3457, 0.5637

Background



This preview shows how black text looks on a background with the Yxy color 18.5060, 0.3457, 0.5637.



This preview shows how white text looks on a background with the Yxy color 18.5060, 0.3457, 0.5637.

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

18.5060, 0.3457, 0.5637

Protanopia

18.2620, 0.4399, 0.4890

Deuteranopia

18.2789, 0.4582, 0.4528



Tritanopia

18.5902, 0.2646, 0.3089

Trichromacy



Original Color

18.5060, 0.3457, 0.5637

Protanomaly

17.8600, 0.4030, 0.5182

Deuteranomaly

17.8528, 0.4156, 0.4958

Tritanomaly

17.9950, 0.3062, 0.4220

Monochromacy



Original Color

18.5060, 0.3457, 0.5637

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.4046, 0.3419, 0.4420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5060, 0.3457, 0.5637 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(74, 134, 0)` looks like.

```
.text, #text, p{  
  color:rgb(74, 134, 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(74, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5060, 0.3457, 0.5637 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(74, 134, 0) }
```

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

```
.border{ border-color:rgb(74, 134, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 134, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 134, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5060, 0.3457, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 134, 0) }
```

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

```
.background{ background-color: rgb(74, 134,  
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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