

Converting Colors

$Y_{xy}(18.4808, 0.3637, 0.6073)$

Have a look what the booklet for
Yxy(18.4808, 0.3637, 0.6073)
contains.

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Color

Yxy(18.5461, 0.3468, 0.5628)

Conversions

Conversions Part 1

Format	Color
Hex	4B8600
RGB	75, 134, 0
RGB Percent	29%, 53%, 0%
CMY	0.7058, 0.4745, 0.9998
CMYK	0.44, 0.00, 1.00, 0.47
HSL	86°, 100%, 26%
HSV	86°, 100%, 53%
XYZ	11.4282, 18.5461, 2.9790
YIQ	101.0830, 7.8500, -54.1820

Conversions

Conversions Part 2

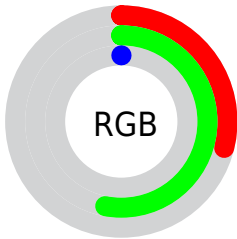
Format	Color
RYB	0, 134, 59
Decimal	4949504
CIELab	50.15, -38.35, 53.79
CIELCh	50, 66.063, 125.490
Yxy	18.5461, 0.3468, 0.5628
Android (android.graphics.Color)	4283139584 (0xFF4B8600)
YUV	101.0830, -49.8339, -22.8748
Hunter-Lab	43.0652, -27.9956, 26.0443

Details

The Yxy color **18.5461, 0.3468, 0.5628** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.6537, 0.1939, 0.0842**, and the grayscale version is **13.1697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1056, 0.3483, 0.5082**, and **6.4508, 0.3104, 0.5917** is the 20% darker color. If you saturate the color by 10%, you get **18.5456, 0.3468, 0.5629**, and if you desaturate by 10%, it is **18.8262, 0.3504, 0.5503**.

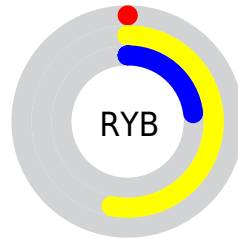
Distribution



Red (29%)

Green (53%)

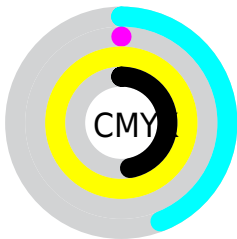
Blue (0%)



Red (0%)

Yellow (53%)

Blue (23%)

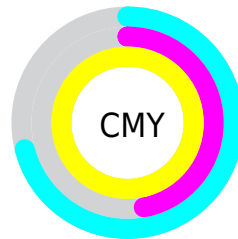


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (71%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5461, 0.3468, 0.5628 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 18.5461, 0.3468, 0.5628 by changing the saturation by 10% instead.


 18.5461, 0.3468,
0.5628


 18.5461, 0.3468,
0.5628


243.9314, 0.3385,
0.4246


 11.3428, 0.3408,
0.6017


 40.9657, 0.3483,
0.5081

 6.2979, 0.3333,
0.6667


 56.9507, 0.3472,
0.4888


 3.0270, 0.2894,
0.7106

 76.6318, 0.3457,
0.4730

 1.1459, 0.1032,
0.8968

 100.3933, 0.3442,
0.4599

 0.0168, 0.0000,
1.0000


 128.6196, 0.3426,
0.4489


 0.0000, 0.0000,
0.0000


 161.6951, 0.3411,

0.4396

 200.0043, 0.3398,
0.4316


 18.5461, 0.3468,
0.5628


 18.5461, 0.3468,
0.5628


 18.5456, 0.3468,
0.5629

 18.8262, 0.3504,
0.5503

 19.1463, 0.3525,
0.5342

 19.5178, 0.3525,
0.5135

 19.9448, 0.3504,
0.4891

 20.4306, 0.3464,
0.4623

■ 20.9785, 0.3410,
0.4342

■ 21.5911, 0.3345,
0.4061

■ 22.2713, 0.3275,
0.3788

■ 23.0214, 0.3201,
0.3530

Harmonies

Analogous

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



18.5461, 0.4508, 0.5073



18.5461, 0.3468, 0.5628



18.5461, 0.2402, 0.5142

Triad

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



18.5461, 0.3468, 0.5628



18.5461, 0.1258, 0.1792



18.5461, 0.4802, 0.2711

Complementary

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



18.5461, 0.3468, 0.5628



2.6537, 0.1939, 0.0842

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.



18.5461, 0.3541, 0.2099



18.5461, 0.3468, 0.5628



18.5461, 0.1616, 0.1592

Square

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



18.5461, 0.3468, 0.5628



18.5461, 0.1236, 0.2436



18.5461, 0.2369, 0.1707



18.5461, 0.5477, 0.3431

Rectangle

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



18.5461, 0.3468, 0.5628



18.5461, 0.1817, 0.4203



18.5461, 0.2369, 0.1707



18.5461, 0.4413, 0.2489

Sweetspot

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



18.5469, 0.3468, 0.5628



37.9615, 0.3350, 0.4081



8.1049, 0.5557, 0.3969



8.4632, 0.3374, 0.4181



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.



18.5469, 0.3468, 0.5628



32.5845, 0.3454, 0.5640



17.1083, 0.3021, 0.5983



5.3237, 0.3195, 0.3509



17.3865, 0.3470, 0.5627



0.0646, 0.3790, 0.5373

Inverse Universe

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



2.6537, 0.1939, 0.0842



4.5838, 0.1917, 0.0830



6.0879, 0.3047, 0.1452



4.6374, 0.3055, 0.3070



2.4908, 0.1941, 0.0843



0.0128, 0.2435, 0.1115

Previews

White Background



This preview shows how the Yxy color 18.5461, 0.3468, 0.5628 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 18.5461, 0.3468, 0.5628 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 18.5461, 0.3468, 0.5628

Background



This preview shows how black text looks on a background with the Yxy color 18.5461, 0.3468, 0.5628.



This preview shows how white text looks on a background with the Yxy color 18.5461, 0.3468, 0.5628.

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

18.5461, 0.3468, 0.5628

Protanopia

18.2620, 0.4399, 0.4890

Deuteranopia

18.3734, 0.4595, 0.4520



Tritanopia

18.6406, 0.2655, 0.3089

Trichromacy



Original Color

18.5461, 0.3468, 0.5628

Protanomaly

17.9260, 0.4044, 0.5171

Deuteranomaly

17.9262, 0.4170, 0.4948

Tritanomaly

18.0415, 0.3073, 0.4217

Monochromacy



Original Color

18.5461, 0.3468, 0.5628

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.4557, 0.3434, 0.4414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5461, 0.3468, 0.5628 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(75, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5461, 0.3468, 0.5628 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(75, 134, 0) }
```

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

```
.border{ border-color:rgb(75, 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(75, 134, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 134, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5461, 0.3468, 0.5628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 134, 0) }
```

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

```
.background{ background-color: rgb(75, 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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