

Converting Colors

$Y_{xy}(18.6040, 0.3750, 0.5808)$

Have a look what the booklet for
Yxy(18.6040, 0.3750, 0.5808)
contains.

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Color

Yxy(18.8013, 0.3612, 0.5514)

Conversions

Conversions Part 1

Format	Color
Hex	578500
RGB	87, 133, 0
RGB Percent	34%, 52%, 0%
CMY	0.6589, 0.4784, 0.9999
CMYK	0.35, 0.00, 1.00, 0.48
HSL	81°, 100%, 26%
HSV	81°, 100%, 52%
XYZ	12.3160, 18.8013, 2.9801
YIQ	104.0840, 15.2770, -51.1150

Conversions

Conversions Part 2

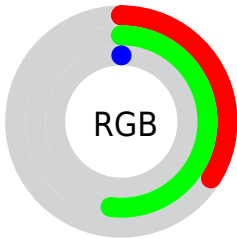
Format	Color
RYB	0, 133, 46
Decimal	5735680
CIELab	50.45, -33.42, 54.30
CIELCh	50, 63.765, 121.613
Yxy	18.8013, 0.3612, 0.5514
Android (android.graphics.Color)	4283925760 (0xFF578500)
YUV	104.0840, -51.3134, -14.9827
Hunter-Lab	43.3605, -25.1802, 26.2774

Details

The Yxy color **18.8013, 0.3612, 0.5514** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.2762, 0.1788, 0.0759**, and the grayscale version is **14.0035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1739, 0.3590, 0.5006**, and **6.5266, 0.3309, 0.5755** is the 20% darker color. If you saturate the color by 10%, you get **18.8018, 0.3612, 0.5514**, and if you desaturate by 10%, it is **19.0606, 0.3637, 0.5401**.

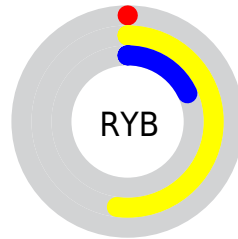
Distribution



Red (34%)

Green (52%)

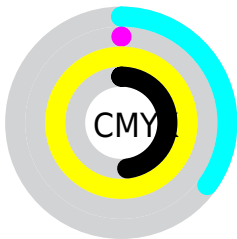
Blue (0%)



Red (0%)

Yellow (52%)

Blue (18%)

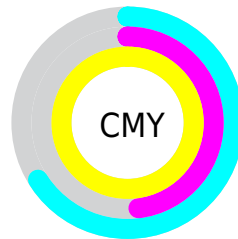


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (66%)


Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8013, 0.3612, 0.5514 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 18.8013, 0.3612, 0.5514 by changing the saturation by 10% instead.


 18.8013, 0.3612,
0.5514


 18.8013, 0.3612,
0.5514


245.3496, 0.3442,
0.4218


 11.5268, 0.3580,
0.5868


 41.3981, 0.3591,
0.5008


 6.4223, 0.3546,
0.6454


 57.4891, 0.3568,
0.4827

 3.1036, 0.3168,
0.6832

 77.2878, 0.3544,
0.4678

 1.1860, 0.1932,
0.8068

 101.1785, 0.3520,
0.4554

 0.0503, 0.0000,
1.0000


 129.5457, 0.3498,
0.4450

 0.0000, 0.0000,
0.0000


 162.7736, 0.3478,

0.4361


 201.2468, 0.3459,
0.4285


 18.8013, 0.3612,
0.5514


 18.8013, 0.3612,
0.5514

 18.8018, 0.3612,
0.5514

 19.0606, 0.3637,
0.5401

 19.3512, 0.3646,
0.5256

 19.6842, 0.3632,
0.5066

 20.0632, 0.3596,
0.4840

 20.4913, 0.3541,
0.4588

■ 20.9714, 0.3471,
0.4321

■ 21.5060, 0.3391,
0.4050

■ 22.0973, 0.3305,
0.3784

■ 22.7477, 0.3216,
0.3529

Harmonies

Analogous

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



18.8013, 0.4600, 0.4931



18.8013, 0.3612, 0.5514



18.8013, 0.2565, 0.5189

Triad

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



18.8013, 0.3612, 0.5514



18.8013, 0.1287, 0.1894



18.8013, 0.4600, 0.2649

Complementary

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



18.8013, 0.3612, 0.5514



2.2762, 0.1788, 0.0759

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.



18.8013, 0.3367, 0.2072



18.8013, 0.3612, 0.5514



18.8013, 0.1595, 0.1647

Square

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



18.8013, 0.3612, 0.5514



18.8013, 0.1313, 0.2596



18.8013, 0.2278, 0.1721



18.8013, 0.5357, 0.3348

Rectangle

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



18.8013, 0.3612, 0.5514



18.8013, 0.1963, 0.4357



18.8013, 0.2278, 0.1721



18.8013, 0.4209, 0.2437

Sweetspot

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



18.8021, 0.3612, 0.5514



38.4380, 0.3397, 0.4069



6.8146, 0.5830, 0.3752



8.5807, 0.3426, 0.4166



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.



18.8021, 0.3612, 0.5514



33.5763, 0.3599, 0.5524



16.9500, 0.3062, 0.5950



5.3445, 0.3208, 0.3508



17.9113, 0.3613, 0.5513



0.0661, 0.3888, 0.5295

Inverse Universe

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



2.2762, 0.1788, 0.0759



3.9941, 0.1767, 0.0747



5.0634, 0.2802, 0.1317



4.6172, 0.3041, 0.3069



2.1714, 0.1790, 0.0760



0.0113, 0.2267, 0.1022

Previews

White Background



This preview shows how the Yxy color 18.8013, 0.3612, 0.5514 looks on a white background.

Color Contrast Check

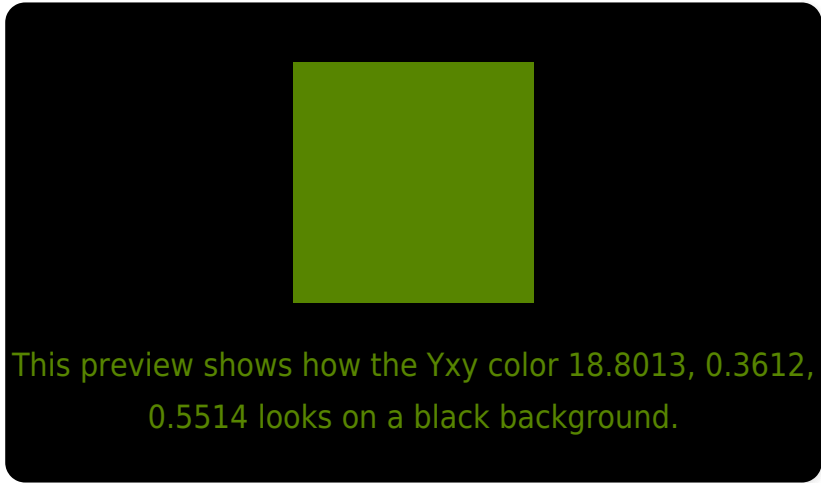
Large Text (above 18pt) WCAG AA ✓ Pass

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

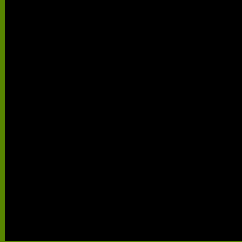
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8013, 0.3612, 0.5514

Background



This preview shows how black text looks on a background with the Yxy color 18.8013, 0.3612, 0.5514.



This preview shows how white text looks on a background with the Yxy color 18.8013, 0.3612, 0.5514.

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

18.8013, 0.3612, 0.5514

Deuteranopia

18.6885, 0.4599, 0.4532

Tritanopia

18.9032, 0.2763, 0.3094

Trichromacy



Original Color

18.8013, 0.3612, 0.5514

Deuteranomaly

18.3044, 0.4238, 0.4898

Tritanomaly

18.3214, 0.3211, 0.4186

Monochromacy



Original Color

18.8013, 0.3612, 0.5514

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.2515, 0.3486, 0.4375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8013, 0.3612, 0.5514 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(87, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 133, 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(87, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.8013, 0.3612, 0.5514 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(87, 133, 0) }
```

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

```
.border{ border-color:rgb(87, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 133, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.8013, 0.3612, 0.5514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 133, 0) }
```

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

```
.background{ background-color: rgb(87, 133,  
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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