

Converting Colors

$Y_{xy}(18.2201, 0.3874, 0.5306)$

Have a look what the booklet for
Yxy(18.2201, 0.3874, 0.5306)
contains.

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Color

Yxy(18.3219, 0.3862, 0.5315)

Conversions

Conversions Part 1

Format	Color
Hex	678000
RGB	103, 128, 0
RGB Percent	40%, 50%, 0%
CMY	0.5961, 0.4980, 0.9997
CMYK	0.20, 0.00, 1.00, 0.50
HSL	72°, 100%, 25%
HSV	72°, 100%, 50%
XYZ	13.3131, 18.3219, 2.8371
YIQ	105.9330, 26.1880, -45.1080

Conversions

Conversions Part 2

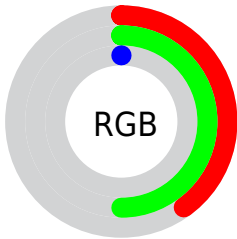
Format	Color
RYB	0, 128, 25
Decimal	6782976
CIELab	49.88, -24.32, 54.30
CIELCh	50, 59.497, 114.123
Yxy	18.3219, 0.3862, 0.5315
Android (android.graphics.Color)	4284973056 (0xFF678000)
YUV	105.9330, -52.2250, -2.5722
Hunter-Lab	42.8041, -19.3893, 26.0331

Details

The Yxy color **18.3219, 0.3862, 0.5315** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.7683, 0.1616, 0.0665**, and the grayscale version is **14.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6985, 0.3783, 0.4876**, and **6.2958, 0.3633, 0.5497** is the 20% darker color. If you saturate the color by 10%, you get **18.3215, 0.3862, 0.5316**, and if you desaturate by 10%, it is **18.5015, 0.3863, 0.5226**.

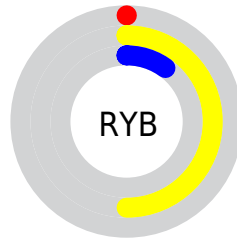
Distribution



Red (40%)

Green (50%)

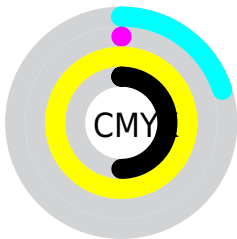
Blue (0%)



Red (0%)

Yellow (50%)

Blue (10%)

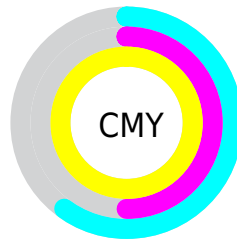


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (60%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3219, 0.3862, 0.5315 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 18.3219, 0.3862, 0.5315 by changing the saturation by 10% instead.


 18.3219, 0.3862,
0.5315


 18.3219, 0.3862,
0.5315


242.6792, 0.3540,
0.4159


 11.1813, 0.3878,
0.5614


 40.5851, 0.3778,
0.4874


 6.1889, 0.3907,
0.6093

 56.4765, 0.3734,
0.4712

 2.9603, 0.3626,
0.6374

 76.0536, 0.3693,
0.4579

 1.1110, 0.2866,
0.7134

 99.7009, 0.3655,
0.4467


 0.0000, 0.0000,
0.0000


 127.8027, 0.3621,
0.4372


 160.7434, 0.3591,


0.4291


 198.9075, 0.3564,
0.4221

 18.3219, 0.3862,
0.5315


 18.3219, 0.3862,
0.5315


 18.3215, 0.3862,
0.5316

 18.5015, 0.3863,
0.5226

 18.7005, 0.3848,
0.5107

 18.9296, 0.3808,
0.4947

 19.1917, 0.3746,
0.4751

 19.4896, 0.3665,
0.4525

■ 19.8256, 0.3569,
0.4281

■ 20.2017, 0.3463,
0.4028

■ 20.6201, 0.3351,
0.3773

■ 21.0824, 0.3238,
0.3525

Harmonies

Analogous

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



18.3219, 0.4750, 0.4689



18.3219, 0.3862, 0.5315



18.3219, 0.2853, 0.5246

Triad

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



18.3219, 0.3862, 0.5315



18.3219, 0.1340, 0.2088



18.3219, 0.4245, 0.2531

Complementary

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



18.3219, 0.3862, 0.5315



1.7683, 0.1616, 0.0665

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.



18.3219, 0.3072, 0.2019



18.3219, 0.3862, 0.5315



18.3219, 0.1556, 0.1748

Square

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



18.3219, 0.3862, 0.5315



18.3219, 0.1457, 0.2897



18.3219, 0.2122, 0.1745



18.3219, 0.5124, 0.3190

Rectangle

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



18.3219, 0.3862, 0.5315



18.3219, 0.2231, 0.4611



18.3219, 0.2122, 0.1745



18.3219, 0.3856, 0.2339

Sweetspot

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



18.3227, 0.3862, 0.5315



35.5142, 0.3471, 0.4047



5.2239, 0.6160, 0.3490



8.2583, 0.3509, 0.4137



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.3227, 0.3862, 0.5315



32.1970, 0.3854, 0.5322



15.9022, 0.3176, 0.5860



4.9783, 0.3229, 0.3505



18.1670, 0.3862, 0.5315



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7683, 0.1616, 0.0665



3.0575, 0.1600, 0.0655



3.6106, 0.2446, 0.1122



4.2491, 0.3020, 0.3069



1.7510, 0.1616, 0.0664



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3219, 0.3862, 0.5315 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 Xy color 18.3219, 0.3862, 0.5315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

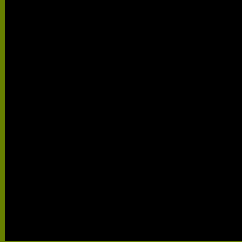
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3219, 0.3862, 0.5315

Background



This preview shows how black text looks on a background with the Yxy color 18.3219, 0.3862, 0.5315.



This preview shows how white text looks on a background with the Yxy color 18.3219, 0.3862, 0.5315.

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

18.3219, 0.3862, 0.5315

Protanopia

18.2620, 0.4399, 0.4890

Deuteranopia

18.0398, 0.4619, 0.4543



Tritanopia

18.3296, 0.2965, 0.3117

Trichromacy



Original Color

18.3219, 0.3862, 0.5315

Protanomaly

18.1300, 0.4207, 0.5042

Deuteranomaly

17.8969, 0.4342, 0.4832

Tritanomaly

17.8281, 0.3448, 0.4132

Monochromacy



Original Color

18.3219, 0.3862, 0.5315

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4431, 0.3580, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3219, 0.3862, 0.5315 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(103, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 128, 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(103, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3219, 0.3862, 0.5315 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(103, 128, 0) }
```

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

```
.border{ border-color:rgb(103, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 128,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3219, 0.3862, 0.5315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 128, 0) }
```

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

```
.background{ background-color: rgb(103,  
128, 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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