

Converting Colors

$Y_{xy}(18.0241, 0.3657, 0.5813)$

Have a look what the booklet for
Yxy(18.0241, 0.3657, 0.5813)
contains.

Yxy(18.2519, 0.3550, 0.5564)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.2519, 0.3550, 0.5564)

Conversions

Conversions Part 1

Format	Color
Hex	518400
RGB	81, 132, 0
RGB Percent	32%, 52%, 0%
CMY	0.6823, 0.4823, 1.0000
CMYK	0.39, 0.00, 1.00, 0.48
HSL	83°, 100%, 26%
HSV	83°, 100%, 52%
XYZ	11.6453, 18.2519, 2.9064
YIQ	101.7030, 11.9760, -51.8640

Conversions

Conversions Part 2

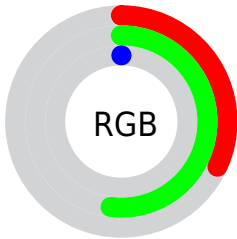
Format	Color
RYB	0, 132, 51
Decimal	5342208
CIELab	49.80, -35.29, 53.68
CIELCh	50, 64.236, 123.319
Yxy	18.2519, 0.3550, 0.5564
Android (android.graphics.Color)	4283532288 (0xFF518400)
YUV	101.7030, -50.1396, -18.1565
Hunter-Lab	42.7222, -26.1083, 25.8721

Details

The Yxy color **18.2519, 0.3550, 0.5564** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3694, 0.1850, 0.0793**, and the grayscale version is **13.3379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2422, 0.3541, 0.5031**, and **6.2542, 0.3211, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **18.2529, 0.3550, 0.5563**, and if you desaturate by 10%, it is **18.5163, 0.3579, 0.5444**.

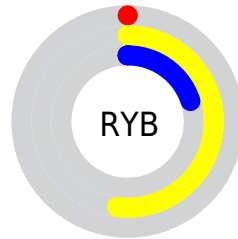
Distribution



Red (32%)

Green (52%)

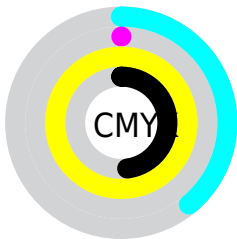
Blue (0%)



Red (0%)

Yellow (52%)

Blue (20%)

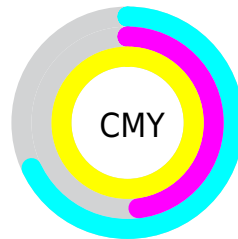


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (68%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2519, 0.3550, 0.5564 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 18.2519, 0.3550, 0.5564 by changing the saturation by 10% instead.


 18.2519, 0.3550,
0.5564


 18.2519, 0.3550,
0.5564


242.2871, 0.3416,
0.4226


 11.1310, 0.3505,
0.5936


 40.4661, 0.3544,
0.5037


 6.1550, 0.3449,
0.6551

 56.3282, 0.3526,
0.4850

 2.9396, 0.3037,
0.6963

 75.8727, 0.3506,
0.4697

 1.1003, 0.1337,
0.8663

 99.4842, 0.3486,
0.4570


 0.0000, 0.0000,
0.0000


 127.5470, 0.3466,
0.4463


 160.4455, 0.3448,


0.4372

 198.5640, 0.3432,
0.4294


 18.2519, 0.3550,
0.5564

 18.2519, 0.3550,
0.5564


 18.2529, 0.3550,
0.5563

 18.5163, 0.3579,
0.5444

 18.8142, 0.3594,
0.5292

 19.1571, 0.3586,
0.5095

 19.5485, 0.3557,
0.4861

 19.9916, 0.3508,
0.4602

■ 20.4893, 0.3445,
0.4330

■ 21.0441, 0.3371,
0.4055

■ 21.6585, 0.3292,
0.3786

■ 22.3345, 0.3209,
0.3530

Harmonies

Analogous

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



18.2519, 0.4561, 0.4992



18.2519, 0.3550, 0.5564



18.2519, 0.2494, 0.5171

Triad

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



18.2519, 0.3550, 0.5564



18.2519, 0.1274, 0.1849



18.2519, 0.4688, 0.2676

Complementary

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



18.2519, 0.3550, 0.5564



2.3694, 0.1850, 0.0793

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.



18.2519, 0.3442, 0.2083



18.2519, 0.3550, 0.5564



18.2519, 0.1603, 0.1622

Square

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



18.2519, 0.3550, 0.5564



18.2519, 0.1279, 0.2525



18.2519, 0.2317, 0.1715



18.2519, 0.5411, 0.3384

Rectangle

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



18.2519, 0.3550, 0.5564



18.2519, 0.1899, 0.4292



18.2519, 0.2317, 0.1715



18.2519, 0.4297, 0.2460

Sweetspot

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



18.2529, 0.3550, 0.5563



36.9998, 0.3377, 0.4073



7.2385, 0.5696, 0.3860



8.5300, 0.3404, 0.4172



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.



18.2529, 0.3550, 0.5563



32.0640, 0.3537, 0.5574



16.6078, 0.3039, 0.5969



5.3356, 0.3202, 0.3508



17.6762, 0.3551, 0.5563



0.0655, 0.3847, 0.5327

Inverse Universe

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



2.3694, 0.1850, 0.0793



4.0925, 0.1828, 0.0781



5.4203, 0.2925, 0.1385



4.6258, 0.3047, 0.3070



2.2970, 0.1851, 0.0793



0.0119, 0.2340, 0.1063

Previews

White Background



This preview shows how the Yxy color 18.2519, 0.3550, 0.5564 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 Yxy color 18.2519, 0.3550, 0.5564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

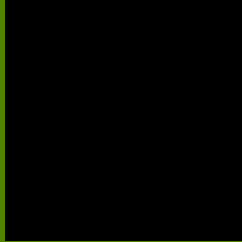
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2519, 0.3550, 0.5564

Background



This preview shows how black text looks on a background with the Yxy color 18.2519, 0.3550, 0.5564.



This preview shows how white text looks on a background with the Yxy color 18.2519, 0.3550, 0.5564.

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

18.2519, 0.3550, 0.5564

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

18.0525, 0.4603, 0.4522



Tritanopia

18.3462, 0.2719, 0.3090

Trichromacy



Original Color

18.2519, 0.3550, 0.5564

Protanomaly

17.7433, 0.4070, 0.5150

Deuteranomaly

17.5192, 0.4210, 0.4914

Tritanomaly

17.8017, 0.3153, 0.4185

Monochromacy



Original Color

18.2519, 0.3550, 0.5564

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.5716, 0.3451, 0.4382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2519, 0.3550, 0.5564 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(81, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 132, 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(81, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 132, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2519, 0.3550, 0.5564 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(81, 132, 0) }
```

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

```
.border{ border-color:rgb(81, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 132, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2519, 0.3550, 0.5564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 132, 0) }
```

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

```
.background{ background-color: rgb(81, 132,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor