

Converting Colors

$Y_{xy}(13.9908, 0.3239, 0.5810)$

Have a look what the booklet for
Yxy(13.9908, 0.3239, 0.5810)
contains.

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Color

Yxy(13.9908, 0.3239, 0.5810)

Conversions

Conversions Part 1

Format	Color
Hex	2D7800
RGB	45, 120, 0
RGB Percent	18%, 47%, 0%
CMY	0.8234, 0.5294, 0.9999
CMYK	0.62, 0.00, 1.00, 0.53
HSL	97°, 100%, 24%
HSV	97°, 100%, 47%
XYZ	7.7997, 13.9908, 2.2901
YIQ	83.8950, -6.1800, -53.2200

Conversions

Conversions Part 2

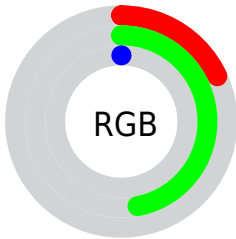
Format	Color
RYB	0, 120, 75
Decimal	2979840
CIELab	44.22, -42.29, 48.62
CIELCh	44, 64.439, 131.016
Yxy	13.9908, 0.3239, 0.5810
Android (android.graphics.Color)	4281169920 (0xFF2D7800)
YUV	83.8950, -41.3602, -34.1109
Hunter-Lab	37.4043, -28.2359, 22.5530

Details

The Yxy color **13.9908, 0.3239, 0.5810** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.8526, 0.2319, 0.1051**, and the grayscale version is **8.9333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0016, 0.3310, 0.5157**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.9909, 0.3239, 0.5810**, and if you desaturate by 10%, it is **14.2036, 0.3279, 0.5662**.

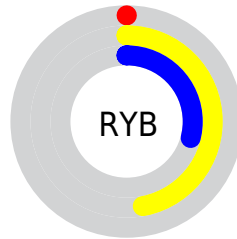
Distribution



Red (18%)

Green (47%)

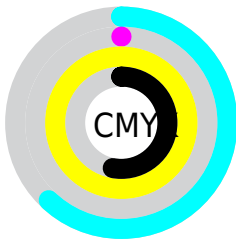
Blue (0%)



Red (0%)

Yellow (47%)

Blue (29%)

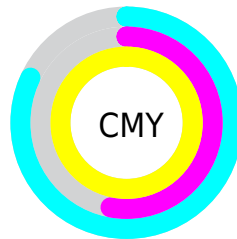


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (82%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9908, 0.3239, 0.5810 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 13.9908, 0.3239, 0.5810 by changing the saturation by 10% instead.


 13.9908, 0.3239,
0.5810


 13.9908, 0.3239,
0.5810


217.1736, 0.3289,
0.4238


 8.1143, 0.3125,
0.6311


 33.0727, 0.3313,
0.5156


 4.1682, 0.2912,
0.7088

 47.0469, 0.3320,
0.4934

 1.7681, 0.2078,
0.7922

 64.4890, 0.3320,
0.4758

 0.4672, 0.0000,
1.0000


 85.7836, 0.3316,
0.4614


 0.0000, 0.0000,
0.0000


 111.3149, 0.3310,
0.4495


 141.4674, 0.3303,


0.4396


 176.6255, 0.3296,
0.4311

 13.9908, 0.3239,
0.5810


 13.9908, 0.3239,
0.5810

 13.9909, 0.3239,
0.5810

 14.2036, 0.3279,
0.5662

 14.4603, 0.3313,
0.5477

 14.7723, 0.3330,
0.5241

 15.1433, 0.3331,
0.4968

 15.5767, 0.3317,
0.4672

■ 16.0758, 0.3291,
0.4371

■ 16.6435, 0.3256,
0.4074

■ 17.2823, 0.3216,
0.3792

■ 17.9950, 0.3172,
0.3529

Harmonies

Analogous

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



13.9908, 0.4355, 0.5301



13.9908, 0.3239, 0.5810



13.9908, 0.2152, 0.5052

Triad

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



13.9908, 0.3239, 0.5810



13.9908, 0.1212, 0.1642



13.9908, 0.5116, 0.2798

Complementary

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



13.9908, 0.3239, 0.5810



2.8526, 0.2319, 0.1051

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.



13.9908, 0.3824, 0.2137



13.9908, 0.3239, 0.5810



13.9908, 0.1648, 0.1508

Square

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



13.9908, 0.3239, 0.5810



13.9908, 0.1122, 0.2200



13.9908, 0.2516, 0.1683



13.9908, 0.5646, 0.3549

Rectangle

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



13.9908, 0.3239, 0.5810



13.9908, 0.1597, 0.3954



13.9908, 0.2516, 0.1683



13.9908, 0.4738, 0.2563

Sweetspot

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



13.9914, 0.3239, 0.5810



29.1930, 0.3259, 0.4096



8.8921, 0.5030, 0.4387



6.8352, 0.3272, 0.4197



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.9914, 0.3239, 0.5810



24.5361, 0.3223, 0.5823



13.4648, 0.2965, 0.5875



4.5164, 0.3168, 0.3507



15.2558, 0.3236, 0.5813



72.3201, 0.3201, 0.5840

Inverse Universe

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



2.8526, 0.2319, 0.1051



4.9378, 0.2299, 0.1040



5.0343, 0.3514, 0.1710



4.0060, 0.3083, 0.3075



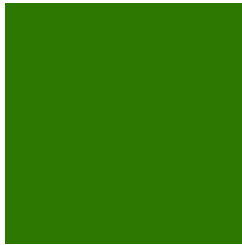
3.1026, 0.2315, 0.1049



14.3016, 0.2271, 0.1025

Previews

White Background



This preview shows how the Yxy color 13.9908, 0.3239, 0.5810 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 13.9908, 0.3239, 0.5810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

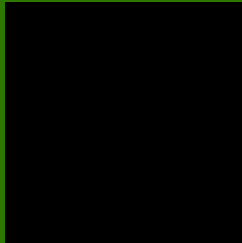
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9908, 0.3239, 0.5810

Background



This preview shows how black text looks on a background with the Yxy color 13.9908, 0.3239, 0.5810.



This preview shows how white text looks on a background with the Yxy color 13.9908, 0.3239, 0.5810.

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

13.9908, 0.3239, 0.5810

Protanopia

13.7522, 0.4409, 0.4881

Deuteranopia

13.8192, 0.4564, 0.4506



Tritanopia

14.1271, 0.2508, 0.3083

Trichromacy



Original Color

13.9908, 0.3239, 0.5810

Protanomaly

13.3760, 0.3905, 0.5281

Deuteranomaly

13.2621, 0.4024, 0.5031

Tritanomaly

13.6968, 0.2872, 0.4268

Monochromacy



Original Color

13.9908, 0.3239, 0.5810

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.1085, 0.3311, 0.4497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9908, 0.3239, 0.5810 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(45, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 120, 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(45, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9908, 0.3239, 0.5810 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(45, 120, 0) }
```

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

```
.border{ border-color:rgb(45, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(45, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 120, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9908, 0.3239, 0.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 120, 0) }
```

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

```
.background{ background-color: rgb(45, 120,  
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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