

Converting Colors

$Y_{xy}(13.6352, 0.3239, 0.5810)$

Have a look what the booklet for
Yxy(13.6352, 0.3239, 0.5810)
contains.

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Color

Yxy(13.7291, 0.3234, 0.5814)

Conversions

Conversions Part 1

Format	Color
Hex	2C7700
RGB	44, 119, 0
RGB Percent	17%, 47%, 0%
CMY	0.8273, 0.5333, 0.9999
CMYK	0.63, 0.00, 1.00, 0.53
HSL	98°, 100%, 23%
HSV	98°, 100%, 47%
XYZ	7.6367, 13.7291, 2.2480
YIQ	83.0090, -6.5010, -52.9090

Conversions

Conversions Part 2

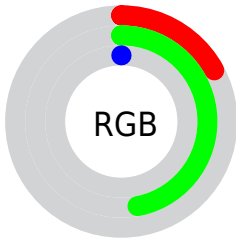
Format	Color
RYB	0, 119, 75
Decimal	2914048
CIELab	43.84, -42.18, 48.31
CIELCh	44, 64.135, 131.129
Yxy	13.7291, 0.3234, 0.5814
Android (android.graphics.Color)	4281104128 (0xFF2C7700)
YUV	83.0090, -40.9234, -34.2109
Hunter-Lab	37.0528, -28.0529, 22.3398

Details

The Yxy color **13.7291, 0.3234, 0.5814** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.8279, 0.2331, 0.1058**, and the grayscale version is **8.7408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5622, 0.3304, 0.5154**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7293, 0.3234, 0.5814**, and if you desaturate by 10%, it is **13.9375, 0.3274, 0.5665**.

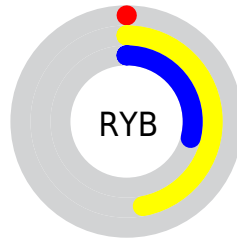
Distribution



Red (17%)

Green (47%)

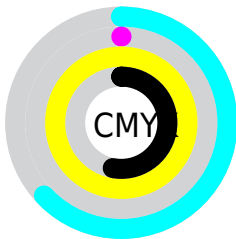
Blue (0%)



Red (0%)

Yellow (47%)

Blue (29%)

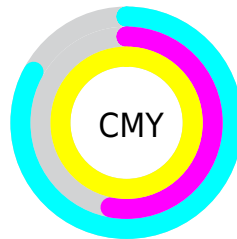


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (83%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7291, 0.3234, 0.5814 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 13.7291, 0.3234, 0.5814 by changing the saturation by 10% instead.


 13.7291, 0.3234,
0.5814


 13.7291, 0.3234,
0.5814


215.5390, 0.3287,
0.4235

 7.9325, 0.3119,
0.6322


 32.6076, 0.3310,
0.5155

 4.0518, 0.2898,
0.7102

 46.4582, 0.3317,
0.4933


 1.7026, 0.2004,
0.7996

 63.7624, 0.3317,
0.4756

 0.4253, 0.0000,
1.0000


 84.9044, 0.3313,
0.4612


 0.0000, 0.0000,
0.0000


 110.2686, 0.3307,
0.4493


 140.2396, 0.3300,


0.4393


 175.2015, 0.3294,
0.4308


 13.7291, 0.3234,
0.5814


 13.7291, 0.3234,
0.5814

 13.7293, 0.3234,
0.5814

 13.9375, 0.3274,
0.5665

 14.1894, 0.3307,
0.5479

 14.4958, 0.3325,
0.5243

 14.8606, 0.3326,
0.4969

 15.2873, 0.3313,
0.4673

■ 15.7788, 0.3288,
0.4371

■ 16.3381, 0.3254,
0.4074

■ 16.9679, 0.3214,
0.3792

■ 17.6707, 0.3171,
0.3529

Harmonies

Analogous

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



13.7291, 0.4352, 0.5306



13.7291, 0.3234, 0.5814



13.7291, 0.2146, 0.5050

Triad

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



13.7291, 0.3234, 0.5814



13.7291, 0.1211, 0.1639



13.7291, 0.5123, 0.2800

Complementary

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



13.7291, 0.3234, 0.5814



2.8279, 0.2331, 0.1058

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.



13.7291, 0.3830, 0.2138



13.7291, 0.3234, 0.5814



13.7291, 0.1648, 0.1507

Square

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



13.7291, 0.3234, 0.5814



13.7291, 0.1120, 0.2195



13.7291, 0.2519, 0.1683



13.7291, 0.5650, 0.3552

Rectangle

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



13.7291, 0.3234, 0.5814



13.7291, 0.1592, 0.3949



13.7291, 0.2519, 0.1683



13.7291, 0.4745, 0.2564

Sweetspot

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



13.7297, 0.3234, 0.5814



29.1746, 0.3257, 0.4097



8.7388, 0.5030, 0.4388



6.8305, 0.3269, 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.



13.7297, 0.3234, 0.5814



24.5120, 0.3217, 0.5828



13.2250, 0.2965, 0.5874



4.1581, 0.3167, 0.3505



14.5817, 0.3232, 0.5816



70.6071, 0.3196, 0.5844

Inverse Universe

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



2.8279, 0.2331, 0.1058



4.9824, 0.2310, 0.1046



4.9448, 0.3514, 0.1710



3.6935, 0.3084, 0.3077



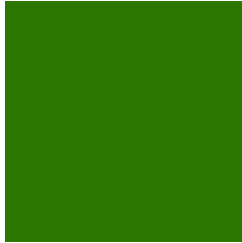
2.9980, 0.2329, 0.1056



14.1104, 0.2284, 0.1032

Previews

White Background



This preview shows how the Yxy color 13.7291, 0.3234, 0.5814 looks on a white background.

Color Contrast Check

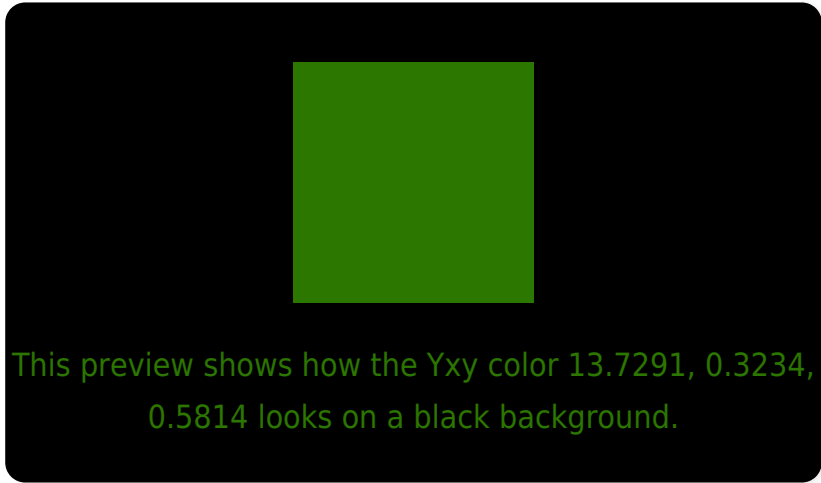
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.7291, 0.3234, 0.5814

Background



This preview shows how black text looks on a background with the Yxy color 13.7291, 0.3234, 0.5814.



This preview shows how white text looks on a background with the Yxy color 13.7291, 0.3234, 0.5814.

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

13.7291, 0.3234, 0.5814

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.5514, 0.4566, 0.4500



Tritanopia

13.8488, 0.2504, 0.3081

Trichromacy



Original Color

13.7291, 0.3234, 0.5814

Protanomaly

13.1109, 0.3903, 0.5283

Deuteranomaly

12.9981, 0.4022, 0.5030

Tritanomaly

13.4263, 0.2870, 0.4277

Monochromacy



Original Color

13.7291, 0.3234, 0.5814

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.8880, 0.3300, 0.4482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7291, 0.3234, 0.5814 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(44, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 119, 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(44, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7291, 0.3234, 0.5814 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(44, 119, 0) }
```

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

```
.border{ border-color:rgb(44, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(44, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 119, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7291, 0.3234, 0.5814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 119, 0) }
```

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

```
.background{ background-color: rgb(44, 119,  
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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