

# Converting Colors

$Y_{xy}(14.2454, 0.3097, 0.5923)$

Have a look what the booklet for  
Yxy(14.2454, 0.3097, 0.5923)  
contains.

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**Color**

**Yxy(14.1521, 0.3100, 0.5920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B7A00
RGB	27, 122, 0
RGB Percent	11%, 48%, 0%
CMY	0.8943, 0.5215, 0.9997
CMYK	0.78, 0.00, 1.00, 0.52
HSL	107°, 100%, 24%
HSV	107°, 100%, 48%
XYZ	7.4107, 14.1521, 2.3427
YIQ	79.6870, -17.4580, -58.0820

# Conversions

## Conversions Part 2

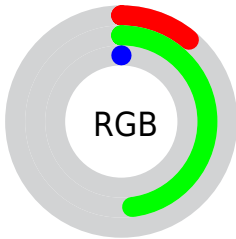
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 95
Decimal	1800704
CIELab	44.45, -46.96, 48.60
CIELCh	44, 67.577, 134.016
Yxy	14.1521, 0.3100, 0.5920
Android (android.graphics.Color)	4279990784 (0xFF1B7A00)
YUV	79.6870, -39.2857, -46.2065
Hunter-Lab	37.6193, -30.6705, 22.6412

# Details

The Yxy color **14.1521, 0.3100, 0.5920** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.8464, 0.2676, 0.1248**, and the grayscale version is **8.0371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1814, 0.3216, 0.5227**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.1518, 0.3100, 0.5921**, and if you desaturate by 10%, it is **14.3308, 0.3132, 0.5775**.

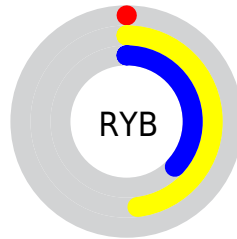
# Distribution



Red (11%)

Green (48%)

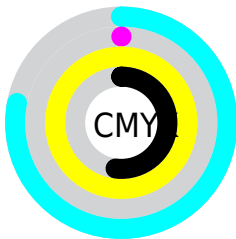
Blue (0%)



Red (0%)

Yellow (48%)

Blue (37%)

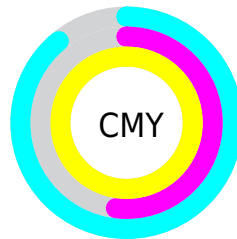


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (89%)

Magenta (52%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.1521, 0.3100, 0.5920 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 14.1521, 0.3100, 0.5920 by changing the saturation by 10% instead.





 14.1521, 0.3100,  
0.5920


 14.1521, 0.3100,  
0.5920


218.1750, 0.3238,  
0.4268


 8.2265, 0.2956,  
0.6452


 33.3587, 0.3211,  
0.5228


 4.2402, 0.2705,  
0.7295

 47.4084, 0.3231,  
0.4995


 1.8088, 0.1714,  
0.8286

 64.9351, 0.3240,  
0.4810

 0.4927, 0.0000,  
1.0000

 86.3230, 0.3244,  
0.4660


 0.0000, 0.0000,  
0.0000


 111.9565, 0.3244,  
0.4536


 142.2201, 0.3243,

0.4432

 177.4981, 0.3241,  
0.4344

 14.1521, 0.3100,  
0.5920


 14.1521, 0.3100,  
0.5920

 14.1518, 0.3100,  
0.5921

 14.3308, 0.3132,  
0.5775

 14.5683, 0.3164,  
0.5584

 14.8776, 0.3187,  
0.5334

 15.2644, 0.3200,  
0.5041

 15.7338, 0.3203,  
0.4725

■ 16.2903, 0.3198,  
0.4404

■ 16.9382, 0.3186,  
0.4092

■ 17.6815, 0.3169,  
0.3799

■ 18.5239, 0.3149,  
0.3531

# Harmonies

## Analogous

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



14.1521, 0.4259, 0.5443



14.1521, 0.3100, 0.5920



14.1521, 0.2005, 0.4986

# Triad

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



14.1521, 0.3100, 0.5920



14.1521, 0.1186, 0.1558



14.1521, 0.5301, 0.2844

# Complementary

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



14.1521, 0.3100, 0.5920



3.8464, 0.2676, 0.1248

# 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.



14.1521, 0.3998, 0.2157



14.1521, 0.3100, 0.5920



14.1521, 0.1666, 0.1460

# Square

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



14.1521, 0.3100, 0.5920



14.1521, 0.1058, 0.2068



14.1521, 0.2606, 0.1668



14.1521, 0.5735, 0.3612



# Rectangle

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



14.1521, 0.3100, 0.5920



14.1521, 0.1471, 0.3801



14.1521, 0.2606, 0.1668



14.1521, 0.4933, 0.2602

# Sweetspot

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



14.1527, 0.3100, 0.5920



29.7023, 0.3187, 0.4116



12.0642, 0.4656, 0.4685



6.7005, 0.3191, 0.4220



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.



14.1527, 0.3100, 0.5920



24.8425, 0.3087, 0.5931



14.0282, 0.2893, 0.5613



4.4887, 0.3147, 0.3509



14.8950, 0.3099, 0.5922



70.7344, 0.3072, 0.5943



# Inverse Universe

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



3.8464, 0.2676, 0.1248



6.7015, 0.2663, 0.1241



4.8689, 0.3988, 0.1971



4.0351, 0.3105, 0.3077



4.0432, 0.2675, 0.1247

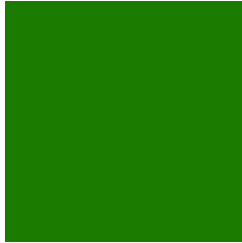


18.9006, 0.2646, 0.1231



# Previews

## White Background



This preview shows how the Yxy color 14.1521, 0.3100, 0.5920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

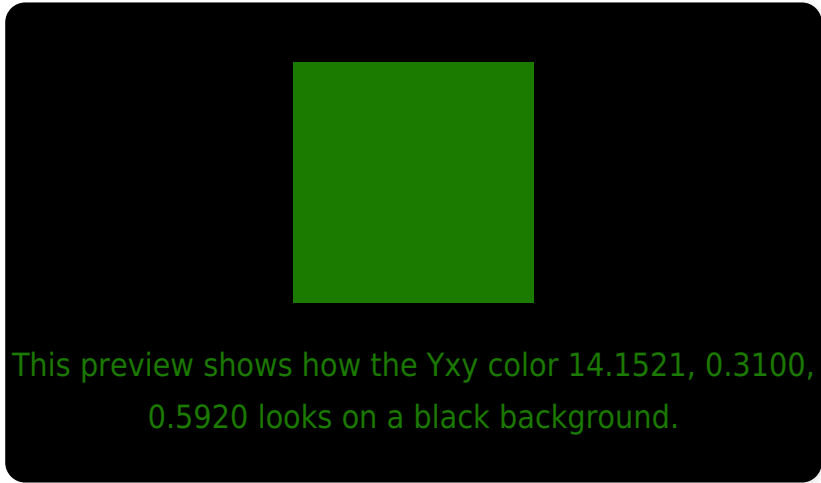
Any Text WCAG AA ✓ Pass

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 14.1521, 0.3100, 0.5920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.1521, 0.3100, 0.5920.



This preview shows how white text looks on a background with the Yxy color 14.1521, 0.3100, 0.5920.

# 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

14.1521, 0.3100, 0.5920

### Protanopia

13.9547, 0.4392, 0.4894

### Deuteranopia

13.9038, 0.4572, 0.4488



## Tritanopia

14.1102, 0.2420, 0.3057

# Trichromacy



## Original Color

14.1521, 0.3100, 0.5920

## Protanomaly

13.3002, 0.3803, 0.5363

## Deuteranomaly

12.9355, 0.3925, 0.5090

## Tritanomaly

13.6217, 0.2755, 0.4291

# Monochromacy



## Original Color

14.1521, 0.3100, 0.5920

## Achromatopsia

8.0220, 0.3127, 0.3290

## Achromatomaly

9.4155, 0.3206, 0.4564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.1521, 0.3100, 0.5920 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(27, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(27, 122, 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(27, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 122, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 14.1521, 0.3100, 0.5920 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(27, 122, 0) }
```

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

```
.border{ border-color:rgb(27, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(27, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(27, 122, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 14.1521, 0.3100, 0.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 122, 0) }
```

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

```
.background{ background-color: rgb(27, 122,  
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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