

Converting Colors

$Y_{xy}(13.2001, 0.3124, 0.5902)$

Have a look what the booklet for
Yxy(13.2001, 0.3124, 0.5902)
contains.

Yxy(13.2329, 0.3127, 0.5899)	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(13.2329, 0.3127, 0.5899)

Conversions

Conversions Part 1

Format	Color
Hex	1E7600
RGB	30, 118, 0
RGB Percent	12%, 46%, 0%
CMY	0.8822, 0.5373, 0.9999
CMYK	0.75, 0.00, 1.00, 0.54
HSL	105°, 100%, 23%
HSV	105°, 100%, 46%
XYZ	7.0146, 13.2329, 2.1849
YIQ	78.2360, -14.5700, -55.3540

Conversions

Conversions Part 2

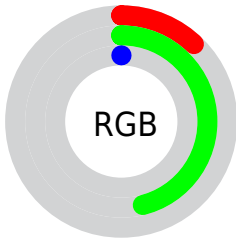
Format	Color
RYB	0, 118, 88
Decimal	1996288
CIELab	43.11, -45.06, 47.57
CIELCh	43, 65.525, 133.451
Yxy	13.2329, 0.3127, 0.5899
Android (android.graphics.Color)	4280186368 (0xFF1E7600)
YUV	78.2360, -38.5703, -42.3030
Hunter-Lab	36.3771, -29.2395, 21.9028

Details

The Yxy color **13.2329, 0.3127, 0.5899** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.3827, 0.2597, 0.1204**, and the grayscale version is **7.7447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6364, 0.3230, 0.5208**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.2332, 0.3127, 0.5899**, and if you desaturate by 10%, it is **13.4110, 0.3161, 0.5749**.

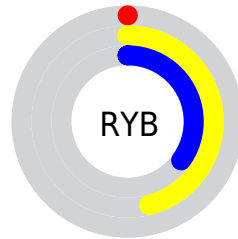
Distribution



Red (12%)

Green (46%)

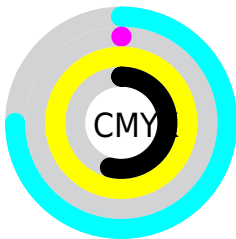
Blue (0%)



Red (0%)

Yellow (46%)

Blue (35%)

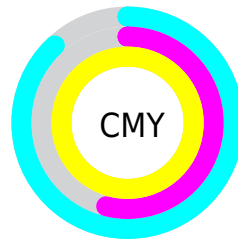


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (88%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2329, 0.3127, 0.5899 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 13.2329, 0.3127, 0.5899 by changing the saturation by 10% instead.


 13.2329, 0.3127,
0.5899


 13.2329, 0.3127,
0.5899


212.4049, 0.3247,
0.4249


 7.5891, 0.2988,
0.6447

 31.7216, 0.3232,
0.5203


 3.8332, 0.2721,
0.7279

 45.3352, 0.3249,
0.4970

 1.5807, 0.1503,
0.8497

 62.3743, 0.3256,
0.4786

 0.3445, 0.0000,
1.0000

 83.2233, 0.3258,
0.4637


 0.0000, 0.0000,
0.0000

 108.2664, 0.3257,
0.4514


 137.8881, 0.3254,


0.4411

 172.4728, 0.3251,
0.4324


 13.2329, 0.3127,
0.5899


 13.2329, 0.3127,
0.5899

 13.2332, 0.3127,
0.5899

 13.4110, 0.3161,
0.5749

 13.6407, 0.3195,
0.5557

 13.9339, 0.3217,
0.5309

 14.2955, 0.3228,
0.5021

 14.7297, 0.3228,
0.4710

■ 15.2405, 0.3218,
0.4394

■ 15.8315, 0.3201,
0.4086

■ 16.5060, 0.3179,
0.3797

■ 17.2672, 0.3154,
0.3531

Harmonies

Analogous

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



13.2329, 0.4279, 0.5417



13.2329, 0.3127, 0.5899



13.2329, 0.2033, 0.5000

Triad

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



13.2329, 0.3127, 0.5899



13.2329, 0.1191, 0.1574



13.2329, 0.5265, 0.2836

Complementary

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



13.2329, 0.3127, 0.5899



3.3827, 0.2597, 0.1204

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.



13.2329, 0.3964, 0.2153



13.2329, 0.3127, 0.5899



13.2329, 0.1662, 0.1469

Square

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



13.2329, 0.3127, 0.5899



13.2329, 0.1070, 0.2093



13.2329, 0.2589, 0.1671



13.2329, 0.5719, 0.3600

Rectangle

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



13.2329, 0.3127, 0.5899



13.2329, 0.1495, 0.3831



13.2329, 0.2589, 0.1671



13.2329, 0.4895, 0.2595

Sweetspot

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



13.2335, 0.3127, 0.5899



27.7522, 0.3202, 0.4109



10.5936, 0.4733, 0.4624



6.2992, 0.3209, 0.4209



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.2335, 0.3127, 0.5899



23.2122, 0.3113, 0.5910



13.0387, 0.2911, 0.5680



4.1391, 0.3151, 0.3506



14.3109, 0.3125, 0.5901



69.3846, 0.3095, 0.5925

Inverse Universe

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



3.3827, 0.2597, 0.1204



5.8828, 0.2582, 0.1196



4.5983, 0.3873, 0.1907



3.7133, 0.3100, 0.3078



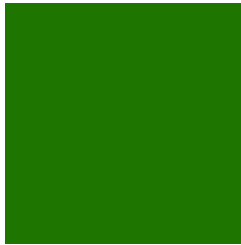
3.6527, 0.2595, 0.1203



17.3767, 0.2561, 0.1185

Previews

White Background



This preview shows how the Yxy color 13.2329, 0.3127, 0.5899 looks on a white background.

Color Contrast Check

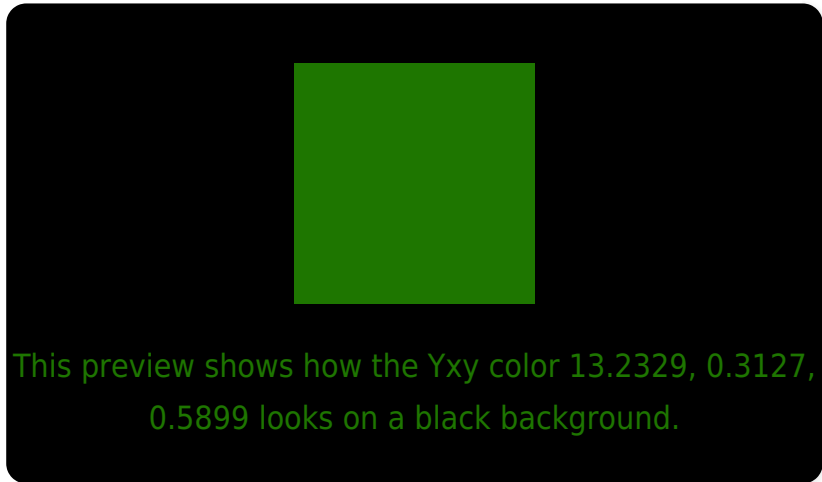
Large Text (above 18pt) WCAG AA ✓ Pass

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

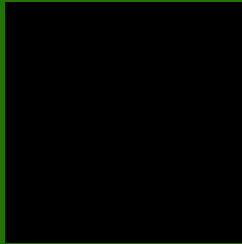
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2329, 0.3127, 0.5899

Background



This preview shows how black text looks on a background with the Yxy color 13.2329, 0.3127, 0.5899.



This preview shows how white text looks on a background with the Yxy color 13.2329, 0.3127, 0.5899.

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

13.2329, 0.3127, 0.5899

Protanopia

13.0801, 0.4382, 0.4903

Deuteranopia

13.0251, 0.4569, 0.4488



Tritanopia

13.3245, 0.2432, 0.3075

Trichromacy



Original Color

13.2329, 0.3127, 0.5899

Protanomaly

12.5641, 0.3808, 0.5358

Deuteranomaly

12.2134, 0.3937, 0.5085

Tritanomaly

12.9364, 0.2774, 0.4282

Monochromacy



Original Color

13.2329, 0.3127, 0.5899

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

9.0511, 0.3225, 0.4550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2329, 0.3127, 0.5899 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(30, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(30, 118, 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(30, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.2329, 0.3127, 0.5899 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(30, 118, 0) }
```

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

```
.border{ border-color:rgb(30, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(30, 118, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.2329, 0.3127, 0.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 118, 0) }
```

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

```
.background{ background-color: rgb(30, 118,  
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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