

Converting Colors

$Y_{xy}(28.2356, 0.3003, 0.5928)$

Have a look what the booklet for
Yxy(28.2356, 0.3003, 0.5928)
contains.

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Color

Yxy(28.1199, 0.3003, 0.5930)

Conversions

Conversions Part 1

Format	Color
Hex	0DA80D
RGB	13, 168, 13
RGB Percent	5%, 66%, 5%
CMY	0.9495, 0.3412, 0.9488
CMYK	0.92, 0.00, 0.92, 0.34
HSL	120°, 86%, 35%
HSV	120°, 92%, 66%
XYZ	14.2401, 28.1199, 5.0597
YIQ	103.9850, -42.6250, -81.0650

Conversions

Conversions Part 2

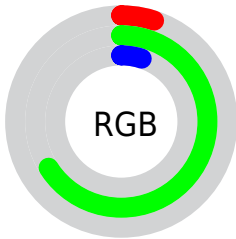
Format	Color
RYB	13, 168, 168
Decimal	894989
CIELab	60.00, -62.01, 59.13
CIELCh	60, 85.682, 136.366
Yxy	28.1199, 0.3003, 0.5930
Android (android.graphics.Color)	4279085069 (0xFF0DA80D)
YUV	103.9850, -44.8556, -79.7938
Hunter-Lab	53.0282, -44.8651, 31.4626

Details

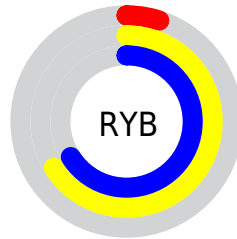
The Yxy color **28.1199, 0.3003, 0.5930** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.4302, 0.3211, 0.1572**, and the grayscale version is **13.9623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9419, 0.3117, 0.5341**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.0077, 0.3000, 0.5999**, and if you desaturate by 10%, it is **28.3713, 0.3010, 0.5784**.

Distribution



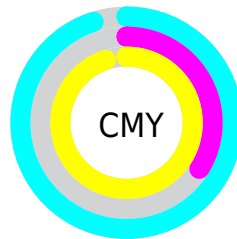
- Red (5%)
- Green (66%)
- Blue (5%)



- Red (5%)
- Yellow (66%)
- Blue (66%)



- Cyan (92%)
- Magenta (0%)
- Yellow (92%)
- Black (34%)





- Cyan (95%)
- Magenta (34%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1199, 0.3003, 0.5930 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 28.1199, 0.3003, 0.5930 by changing the saturation by 10% instead.

 28.1199, 0.3003,
0.5930


 28.1199, 0.3003,
0.5930


293.0394, 0.3193,
0.4409


 18.4161, 0.2885,
0.6348


 56.6758, 0.3118,
0.5339

 11.2491, 0.2687,
0.6891


 76.2967, 0.3146,
0.5126


 6.2346, 0.2358,
0.7642

 99.9920, 0.3164,
0.4952

 2.9883, 0.1649,
0.8351

 128.1462, 0.3175,
0.4807

 1.1256, 0.0000,
1.0000


 161.1436, 0.3183,
0.4684


 0.0000, 0.0000,
0.0000

 199.3687, 0.3188,


0.4579


 243.2058, 0.3191,
0.4488


 28.1199, 0.3003,
0.5930


 28.1199, 0.3003,
0.5930


 28.0077, 0.3000,
0.5999

 28.3713, 0.3010,
0.5784

 28.8014, 0.3020,
0.5556

 29.4365, 0.3034,
0.5260

 30.2979, 0.3050,
0.4922

 31.4042, 0.3066,
0.4569

■ 32.7720, 0.3083,
0.4223

■ 34.4166, 0.3098,
0.3899

■ 36.3520, 0.3112,
0.3606

■ 38.5913, 0.3124,
0.3346

Harmonies

Analogous

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



28.1199, 0.4170, 0.5520



28.1199, 0.3003, 0.5930



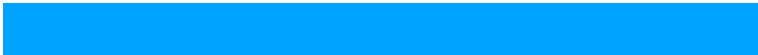
28.1199, 0.1920, 0.4870

Triad

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



28.1199, 0.3003, 0.5930



28.1199, 0.1199, 0.1527



28.1199, 0.5391, 0.2897

Complementary

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



28.1199, 0.3003, 0.5930



11.4302, 0.3211, 0.1572

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.



28.1199, 0.4122, 0.2198



28.1199, 0.3003, 0.5930



28.1199, 0.1713, 0.1456

Square

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



28.1199, 0.3003, 0.5930



28.1199, 0.1045, 0.1998



28.1199, 0.2698, 0.1687



28.1199, 0.5743, 0.3673

Rectangle

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



28.1199, 0.3003, 0.5930



28.1199, 0.1412, 0.3665



28.1199, 0.2698, 0.1687



28.1199, 0.5043, 0.2653

Sweetspot

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



28.1211, 0.3003, 0.5930



60.5459, 0.3089, 0.4096



36.3614, 0.4175, 0.5023



12.9417, 0.3082, 0.4234



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.1211, 0.3003, 0.5930



50.8203, 0.3000, 0.5999



28.8375, 0.2701, 0.4858



8.4079, 0.3116, 0.3523



21.1489, 0.3000, 0.5999



0.5146, 0.2998, 0.5994

Inverse Universe

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



11.4302, 0.3211, 0.1572



20.2226, 0.3212, 0.1543



9.3557, 0.4761, 0.2454



7.6665, 0.3138, 0.3068



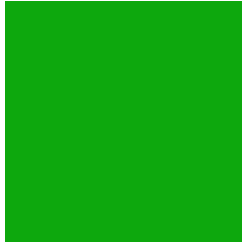
8.4157, 0.3212, 0.1543



0.2048, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 28.1199, 0.3003, 0.5930 looks on a white background.

Color Contrast Check

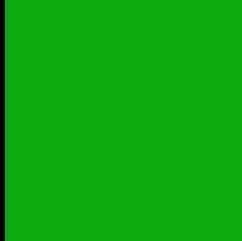
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.1199, 0.3003, 0.5930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

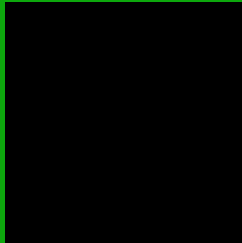
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1199, 0.3003, 0.5930

Background



This preview shows how black text looks on a background with the Yxy color 28.1199, 0.3003, 0.5930.



This preview shows how white text looks on a background with the Yxy color 28.1199, 0.3003, 0.5930.

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

28.1199, 0.3003, 0.5930

Protanopia

27.6279, 0.4401, 0.4888

Deuteranopia

27.4516, 0.4580, 0.4494



Tritanopia

27.9811, 0.2368, 0.3061

Trichromacy



Original Color

28.1199, 0.3003, 0.5930



Protanomaly

25.9816, 0.3681, 0.5434



Deuteranomaly

25.1905, 0.3785, 0.5176



Tritanomaly

26.9896, 0.2649, 0.4253

Monochromacy



Original Color

28.1199, 0.3003, 0.5930



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.9733, 0.3066, 0.4595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1199, 0.3003, 0.5930 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(13, 168, 13)` looks like.

```
.text, #text, p{  
    color:rgb(13, 168, 13)  
}
```

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(13, 168, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 168, 13) }
```

Border

The CSS property to change the border of an element to Yxy 28.1199, 0.3003, 0.5930 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(13, 168, 13) }
```

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

```
.border{ border-color:rgb(13, 168, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 168, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 168, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 168, 13);  
box-shadow:4px 4px 4px 4px rgb(13, 168,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1199, 0.3003, 0.5930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 168, 13) }
```

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

```
.background{ background-color: rgb(13, 168,  
13) }
```

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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