

Converting Colors

$Y_{xy}(21.2185, 0.3020, 0.5984)$

Have a look what the booklet for
Yxy(21.2185, 0.3020, 0.5984)
contains.

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Color

Yxy(21.2510, 0.3021, 0.5984)

Conversions

Conversions Part 1

Format	Color
Hex	0B9400
RGB	11, 148, 0
RGB Percent	4%, 58%, 0%
CMY	0.9565, 0.4196, 1.0000
CMYK	0.93, 0.00, 1.00, 0.42
HSL	116°, 100%, 29%
HSV	116°, 100%, 58%
XYZ	10.7285, 21.2510, 3.5335
YIQ	90.1650, -34.1440, -75.0720

Conversions

Conversions Part 2

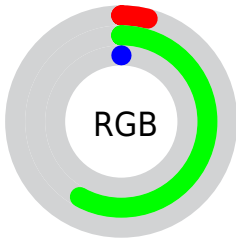
Format	Color
RYB	0, 148, 137
Decimal	758784
CIELab	53.22, -56.73, 55.56
CIELCh	53, 79.406, 135.601
Yxy	21.2510, 0.3021, 0.5984
Android (android.graphics.Color)	4278948864 (0xFF0B9400)
YUV	90.1650, -44.4513, -69.4277
Hunter-Lab	46.0988, -39.1309, 27.7245

Details

The Yxy color **21.2510, 0.3021, 0.5984** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.4482, 0.3025, 0.1440**, and the grayscale version is **10.3784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3657, 0.3143, 0.5332**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.2521, 0.3021, 0.5983**, and if you desaturate by 10%, it is **21.4182, 0.3034, 0.5871**.

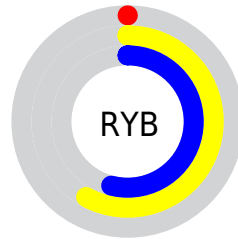
Distribution



Red (4%)

Green (58%)

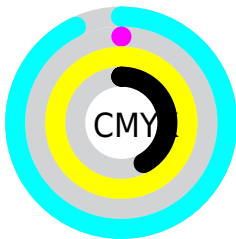
Blue (0%)



Red (0%)

Yellow (58%)

Blue (54%)

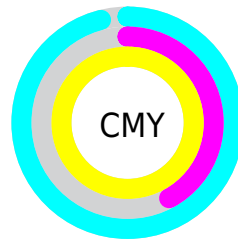


Cyan (93%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (96%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2510, 0.3021, 0.5984 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 21.2510, 0.3021, 0.5984 by changing the saturation by 10% instead.


 21.2510, 0.3021,
0.5984


 21.2510, 0.3021,
0.5984


258.6094, 0.3209,
0.4374


 13.3076, 0.2884,
0.6450


 45.5049, 0.3144,
0.5340


 7.6407, 0.2690,
0.7197


 62.5842, 0.3172,
0.5114

 3.8659, 0.2180,
0.7820

 83.4775, 0.3188,
0.4931

 1.5988, 0.0040,
0.9960

 108.5694, 0.3198,
0.4780


 0.3568, 0.0000,
1.0000


 138.2441, 0.3204,
0.4653


 0.0000, 0.0000,
0.0000


 172.8861, 0.3207,

0.4546


 212.8797, 0.3209,
0.4454

 21.2510, 0.3021,
0.5984


 21.2510, 0.3021,
0.5984


 21.2521, 0.3021,
0.5983

 21.4182, 0.3034,
0.5871

 21.6932, 0.3054,
0.5693

 22.0997, 0.3073,
0.5442

 22.6515, 0.3089,
0.5137

 23.3606, 0.3103,
0.4802

■ 24.2379, 0.3114,
0.4459

■ 25.2932, 0.3121,
0.4127

■ 26.5354, 0.3125,
0.3818

■ 27.9732, 0.3127,
0.3539

Harmonies

Analogous

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



21.2510, 0.4200, 0.5521



21.2510, 0.3021, 0.5984



21.2510, 0.1923, 0.4947

Triad

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



21.2510, 0.3021, 0.5984



21.2510, 0.1170, 0.1512



21.2510, 0.5404, 0.2867

Complementary

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



21.2510, 0.3021, 0.5984



7.4482, 0.3025, 0.1440

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.



21.2510, 0.4098, 0.2167



21.2510, 0.3021, 0.5984



21.2510, 0.1676, 0.1433

Square

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



21.2510, 0.3021, 0.5984



21.2510, 0.1023, 0.1996



21.2510, 0.2658, 0.1659



21.2510, 0.5782, 0.3645

Rectangle

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



21.2510, 0.3021, 0.5984



21.2510, 0.1402, 0.3714



21.2510, 0.2658, 0.1659



21.2510, 0.5044, 0.2622

Sweetspot

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



21.2521, 0.3021, 0.5983



44.5070, 0.3120, 0.4147



23.8110, 0.4344, 0.4933



9.9902, 0.3118, 0.4272



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.2521, 0.3021, 0.5983



37.4669, 0.3016, 0.5987



21.5244, 0.2790, 0.5245



6.4880, 0.3127, 0.3518



18.1576, 0.3023, 0.5982



0.2264, 0.3132, 0.5895

Inverse Universe

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



7.4482, 0.3025, 0.1440



13.1087, 0.3021, 0.1438



6.9733, 0.4579, 0.2296



5.8873, 0.3126, 0.3071



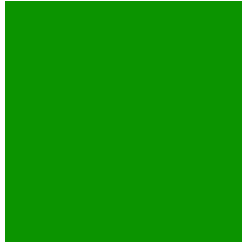
6.3670, 0.3026, 0.1441



0.0832, 0.3123, 0.1494

Previews

White Background



This preview shows how the Yxy color 21.2510, 0.3021, 0.5984 looks on a white background.

Color Contrast Check

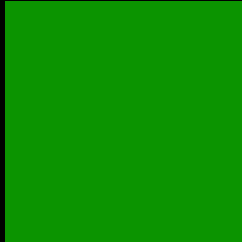
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2510, 0.3021, 0.5984 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 21.2510, 0.3021, 0.5984

Background



This preview shows how black text looks on a background with the Yxy color 21.2510, 0.3021, 0.5984.



This preview shows how white text looks on a background with the Yxy color 21.2510, 0.3021, 0.5984.

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

21.2510, 0.3021, 0.5984

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

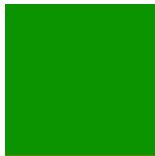
20.9082, 0.4579, 0.4500



Tritanopia

21.4036, 0.2378, 0.3073

Trichromacy



Original Color

21.2510, 0.3021, 0.5984



Protanomaly

19.7608, 0.3692, 0.5451



Deuteranomaly

19.0190, 0.3812, 0.5203



Tritanomaly

20.7077, 0.2682, 0.4347

Monochromacy



Original Color

21.2510, 0.3021, 0.5984



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.6564, 0.3106, 0.4709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2510, 0.3021, 0.5984 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(11, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(11, 148, 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(11, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2510, 0.3021, 0.5984 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(11, 148, 0) }
```

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

```
.border{ border-color:rgb(11, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(11, 148, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2510, 0.3021, 0.5984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 148, 0) }
```

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

```
.background{ background-color: rgb(11, 148,  
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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