

Converting Colors

$Y_{xy}(21.3263, 0.3216, 0.6317)$

Have a look what the booklet for
Yxy(21.3263, 0.3216, 0.6317)
contains.

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Color

Yxy(21.5199, 0.3096, 0.5923)

Conversions

Conversions Part 1

Format	Color
Hex	229400
RGB	34, 148, 0
RGB Percent	13%, 58%, 0%
CMY	0.8669, 0.4196, 0.9995
CMYK	0.77, 0.00, 1.00, 0.42
HSL	106°, 100%, 29%
HSV	106°, 100%, 58%
XYZ	11.2486, 21.5199, 3.5642
YIQ	97.0420, -20.4360, -70.1960

Conversions

Conversions Part 2

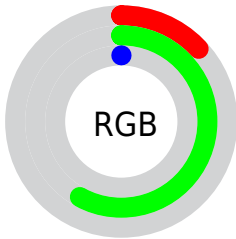
Format	Color
RYB	0, 148, 114
Decimal	2266112
CIELab	53.51, -54.14, 55.87
CIELCh	54, 77.804, 134.100
Yxy	21.5199, 0.3096, 0.5923
Android (android.graphics.Color)	4280456192 (0xFF229400)
YUV	97.0420, -47.8417, -55.2878
Hunter-Lab	46.3895, -37.8987, 27.9173

Details

The Yxy color **21.5199, 0.3096, 0.5923** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.7315, 0.2647, 0.1232**, and the grayscale version is **12.0884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8509, 0.3199, 0.5297**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5188, 0.3096, 0.5924**, and if you desaturate by 10%, it is **21.7817, 0.3132, 0.5795**.

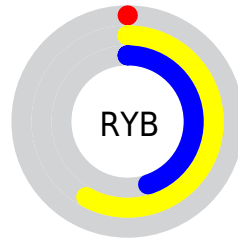
Distribution



Red (13%)

Green (58%)

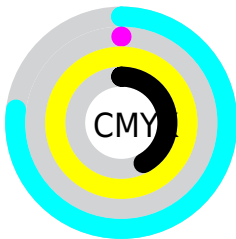
Blue (0%)



Red (0%)

Yellow (58%)

Blue (45%)

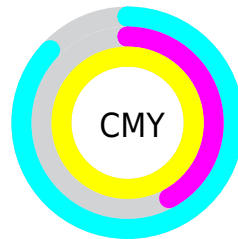


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (87%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5199, 0.3096, 0.5923 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 21.5199, 0.3096, 0.5923 by changing the saturation by 10% instead.


 21.5199, 0.3096,
0.5923


 21.5199, 0.3096,
0.5923

260.0287, 0.3239,
0.4359


 13.5046, 0.2973,
0.6371


 45.9512, 0.3201,
0.5301


 7.7769, 0.2798,
0.7081


 63.1360, 0.3222,
0.5081


 3.9525, 0.2317,
0.7683

 84.1460, 0.3234,
0.4903

 1.6470, 0.0574,
0.9426

 109.3656, 0.3239,
0.4756


 0.3890, 0.0000,
1.0000


 139.1793, 0.3242,
0.4632


 0.0000, 0.0000,
0.0000


 173.9715, 0.3242,


0.4527


 214.1265, 0.3241,
0.4437


 21.5199, 0.3096,
0.5923


 21.5199, 0.3096,
0.5923


 21.5188, 0.3096,
0.5924

 21.7817, 0.3132,
0.5795

 22.1370, 0.3167,
0.5610

 22.6031, 0.3192,
0.5363

 23.1890, 0.3206,
0.5070

 23.9029, 0.3209,
0.4751

■ 24.7520, 0.3203,
0.4425

■ 25.7432, 0.3190,
0.4107

■ 26.8826, 0.3172,
0.3808

■ 28.1762, 0.3150,
0.3535

Harmonies

Analogous

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



21.5199, 0.4254, 0.5445



21.5199, 0.3096, 0.5923



21.5199, 0.2001, 0.4984

Triad

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



21.5199, 0.3096, 0.5923



21.5199, 0.1185, 0.1556



21.5199, 0.5306, 0.2846

Complementary

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



21.5199, 0.3096, 0.5923



5.7315, 0.2647, 0.1232

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.



21.5199, 0.4003, 0.2158



21.5199, 0.3096, 0.5923



21.5199, 0.1667, 0.1459

Square

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



21.5199, 0.3096, 0.5923



21.5199, 0.1057, 0.2065



21.5199, 0.2609, 0.1668



21.5199, 0.5737, 0.3614

Rectangle

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



21.5199, 0.3096, 0.5923



21.5199, 0.1468, 0.3796



21.5199, 0.2609, 0.1668



21.5199, 0.4938, 0.2604

Sweetspot

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



21.5208, 0.3096, 0.5923



45.2909, 0.3191, 0.4128



18.2190, 0.4666, 0.4677



10.1807, 0.3197, 0.4249



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.



21.5208, 0.3096, 0.5923



37.9002, 0.3085, 0.5932



21.3325, 0.2901, 0.5642



6.5286, 0.3149, 0.3516



18.3899, 0.3099, 0.5921



0.2365, 0.3374, 0.5703

Inverse Universe

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



5.7315, 0.2647, 0.1232



10.0240, 0.2635, 0.1225



7.3941, 0.4005, 0.1981



5.8430, 0.3103, 0.3069



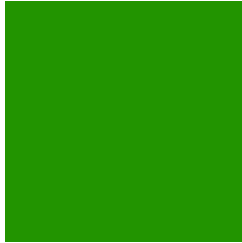
4.9037, 0.2650, 0.1233



0.0731, 0.2933, 0.1389

Previews

White Background



This preview shows how the Yxy color 21.5199, 0.3096, 0.5923 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 21.5199, 0.3096, 0.5923 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 21.5199, 0.3096, 0.5923

Background



This preview shows how black text looks on a background with the Yxy color 21.5199, 0.3096, 0.5923.



This preview shows how white text looks on a background with the Yxy color 21.5199, 0.3096, 0.5923.

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

21.5199, 0.3096, 0.5923

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

21.2526, 0.4577, 0.4505



Tritanopia

21.6121, 0.2414, 0.3075

Trichromacy



Original Color

21.5199, 0.3096, 0.5923



Protanomaly

20.2115, 0.3790, 0.5373



Deuteranomaly

19.8605, 0.3919, 0.5127



Tritanomaly

21.0130, 0.2753, 0.4327

Monochromacy



Original Color

21.5199, 0.3096, 0.5923



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.2944, 0.3203, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5199, 0.3096, 0.5923 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(34, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.5199, 0.3096, 0.5923 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(34, 148, 0) }
```

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

```
.border{ border-color:rgb(34, 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(34, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(34, 148, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5199, 0.3096, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 148, 0) }
```

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

```
.background{ background-color: rgb(34, 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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