

# Converting Colors

Yxy(59.1288, 0.3021, 0.5958)

Have a look what the booklet for  
Yxy(59.1288, 0.3021, 0.5958)  
contains.

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**Color**

**Yxy(59.1288, 0.3022, 0.5959)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DEA0A
RGB	29, 234, 10
RGB Percent	11%, 92%, 4%
CMY	0.8857, 0.0823, 0.9618
CMYK	0.88, 0.00, 0.96, 0.08
HSL	115°, 92%, 48%
HSV	115°, 96%, 92%
XYZ	29.9861, 59.1288, 10.1111
YIQ	147.1690, -50.2760, -113.1240

# Conversions

## Conversions Part 2

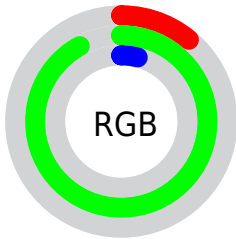
Format	Color
<a href="#">RYB</a>	<a href="#">10, 234, 215</a>
Decimal	<a href="#">1960458</a>
CIELab	<a href="#">81.36, -79.29, 77.30</a>
CIELCh	<a href="#">81, 110.730, 135.727</a>
Yxy	<a href="#">59.1288, 0.3022, 0.5959</a>
Android (android.graphics.Color)	<a href="#">4280150538</a> ( <a href="#">0xFF1DEA0A</a> )
YUV	<a href="#">147.1690, -67.6243, -103.6342</a>
Hunter-Lab	<a href="#">76.8953, -64.9587, 46.0305</a>

# Details

The Yxy color **59.1288, 0.3022, 0.5959** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **20.5365, 0.2998, 0.1437**, and the grayscale version is **29.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2513, 0.3158, 0.5310**, and **31.0507, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.9980, 0.3016, 0.5987**, and if you desaturate by 10%, it is **59.6486, 0.3043, 0.5847**.

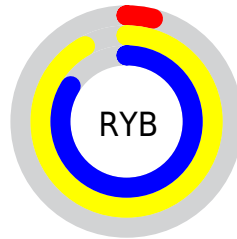
# Distribution



Red (11%)

Green (92%)

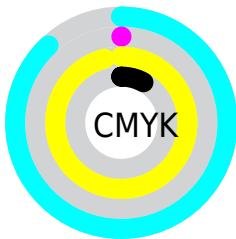
Blue (4%)



Red (4%)

Yellow (92%)

Blue (84%)

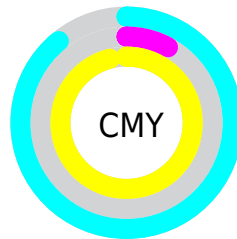


Cyan (88%)

Magenta (0%)

Yellow (96%)

Black (8%)



Cyan (89%)

Magenta (8%)


Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1288, 0.3022, 0.5959 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 59.1288, 0.3022, 0.5959 by changing the saturation by 10% instead.




 59.1288, 0.3022,  
0.5959

 59.1288, 0.3022,  
0.5959


421.3791, 0.3203,  
0.4595

 42.7168, 0.2935,  
0.6276


 103.5648, 0.3120,  
0.5474


 29.6630, 0.2803,  
0.6658


 132.3577, 0.3147,  
0.5287


 19.5829, 0.2598,  
0.7116


 166.0463, 0.3166,  
0.5127

 12.0922, 0.2296,  
0.7704

 205.0150, 0.3180,  
0.4990

 6.8065, 0.1786,  
0.8214

 249.6482, 0.3189,  
0.4871

 3.3414, 0.0855,  
0.9145

 300.3304, 0.3195,

 1.3125, 0.0000,

0.4767

1.0000

357.4459, 0.3200,  
0.4676

■ 0.1508, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1288, 0.3022,  
0.5959

■ 59.1288, 0.3022,  
0.5959

■ 58.9980, 0.3016,  
0.5987

■ 59.6486, 0.3043,  
0.5847

■ 60.5111, 0.3064,  
0.5651

■ 61.7661, 0.3084,  
0.5380

■ 63.4534, 0.3101,  
0.5057

■ 65.6078, 0.3114,  
0.4708

■ 68.2607, 0.3122,  
0.4356

■ 71.4406, 0.3127,  
0.4021

■ 75.1738, 0.3129,  
0.3713

■ 79.4851, 0.3128,  
0.3436

# Harmonies

## Analogous

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



59.1288, 0.4194, 0.5513



59.1288, 0.3022, 0.5959



59.1288, 0.1929, 0.4923

# Triad

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



59.1288, 0.3022, 0.5959



59.1288, 0.1182, 0.1521



59.1288, 0.5390, 0.2876

# Complementary

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



59.1288, 0.3022, 0.5959



20.5365, 0.2998, 0.1437

# 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.



59.1288, 0.4097, 0.2177



59.1288, 0.3022, 0.5959



59.1288, 0.1688, 0.1443

# Square

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



59.1288, 0.3022, 0.5959



59.1288, 0.1034, 0.2004



59.1288, 0.2667, 0.1670



59.1288, 0.5764, 0.3652



# Rectangle

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



59.1288, 0.3022, 0.5959



59.1288, 0.1412, 0.3704



59.1288, 0.2667, 0.1670



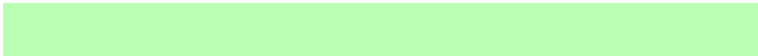
59.1288, 0.5033, 0.2631

# Sweetspot

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



59.1313, 0.3022, 0.5959



85.4801, 0.3126, 0.4129



64.3887, 0.4367, 0.4897



17.9445, 0.3124, 0.4273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



59.1313, 0.3022, 0.5959



71.6914, 0.3015, 0.5988



59.8187, 0.2805, 0.5274



16.9245, 0.3129, 0.3533



33.1754, 0.3020, 0.5984



2.6266, 0.3070, 0.5945



# Inverse Universe

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



20.5365, 0.2998, 0.1437



24.5310, 0.2988, 0.1420



19.7266, 0.4490, 0.2266



15.2436, 0.3124, 0.3057



11.3780, 0.2993, 0.1422

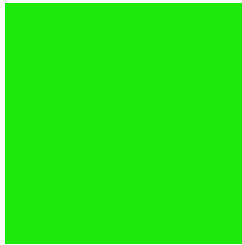


0.9130, 0.3025, 0.1440



# Previews

## White Background



This preview shows how the Yxy color 59.1288, 0.3022, 0.5959 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

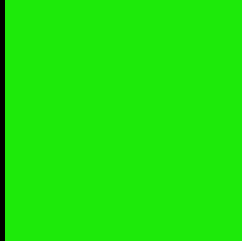
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.1288, 0.3022, 0.5959 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 ✓ Pass

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

**Yxy 59.1288, 0.3022, 0.5959**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1288, 0.3022, 0.5959.



This preview shows how white text looks on a background with the Yxy color 59.1288, 0.3022, 0.5959.

# 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

59.1288, 0.3022, 0.5959

### Protanopia

57.9420, 0.4405, 0.4885

### Deuteranopia

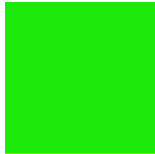
57.7614, 0.4619, 0.4510



## Tritanopia

58.9077, 0.2367, 0.3069

# Trichromacy



## Original Color

59.1288, 0.3022, 0.5959



## Protanomaly

54.4673, 0.3704, 0.5432



## Deuteranomaly

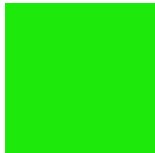
52.9279, 0.3844, 0.5192



## Tritanomaly

57.1071, 0.2681, 0.4336

# Monochromacy



## Original Color

59.1288, 0.3022, 0.5959



## Achromatopsia

29.1771, 0.3127, 0.3290



## Achromatomaly

36.0463, 0.3114, 0.4679

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1288, 0.3022, 0.5959 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(29, 234, 10)` looks like.

```
.text, #text, p{  
    color:rgb(29, 234, 10)  
}
```

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(29, 234, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 234, 10) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1288, 0.3022, 0.5959 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(29, 234, 10) }
```

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

```
.border{ border-color:rgb(29, 234, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 234, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 234, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 234, 10);  
box-shadow:4px 4px 4px 4px rgb(29, 234,  
10) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1288, 0.3022, 0.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 234, 10) }
```

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

```
.background{ background-color: rgb(29, 234,  
10) }
```

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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