

Converting Colors

Yxy(60.6993, 0.3015, 0.5909)

Have a look what the booklet for
Yxy(60.6993, 0.3015, 0.5909)
contains.

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Color

Yxy(60.9663, 0.3014, 0.5909)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 21ED1A |
| RGB | 33, 237, 26 |
| RGB Percent | 13%, 93%, 10% |
| CMY | 0.8709, 0.0706, 0.8976 |
| CMYK | 0.86, 0.00, 0.89, 0.07 |
| HSL | 118°, 85%, 52% |
| HSV | 118°, 89%, 93% |
| XYZ | 31.0970, 60.9663, 11.1120 |
| YIQ | 151.9500, -53.8530, -108.8690 |

Conversions

Conversions Part 2

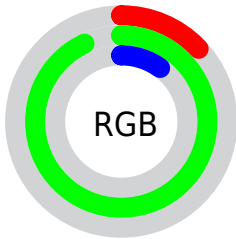
| Format | Color |
|-------------------------------------|---|
| RYB | 26, 237, 230 |
| Decimal | 2223386 |
| CIELab | 82.36, -79.44, 76.12 |
| CIELCh | 82, 110.022, 136.220 |
| Yxy | 60.9663, 0.3014, 0.5909 |
| Android (android.graphics.Color) | 4280413466 (0xFF21ED1A) |
| YUV | 151.9500, -62.0933, -104.3191 |
| Hunter-Lab | 78.0809, -65.5510, 46.2189 |

Details

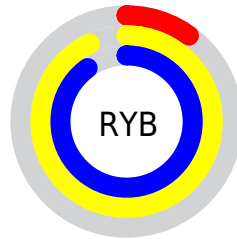
The Yxy color **60.9663, 0.3014, 0.5909** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **23.7143, 0.3135, 0.1538**, and the grayscale version is **31.6649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5206, 0.3144, 0.5237**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.6414, 0.3005, 0.5990**, and if you desaturate by 10%, it is **61.6371, 0.3027, 0.5744**.

Distribution



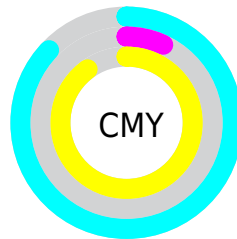
- Red (13%)
- Green (93%)
- Blue (10%)



- Red (10%)
- Yellow (93%)
- Blue (90%)



- Cyan (86%)
- Magenta (0%)
- Yellow (89%)
- Black (7%)



- Cyan (87%)
- Magenta (7%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9663, 0.3014, 0.5909 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 60.9663, 0.3014, 0.5909 by changing the saturation by 10% instead.


 60.9663, 0.3014,
0.5909

 60.9663, 0.3014,
0.5909


428.1504, 0.3192,
0.4574

 44.1980, 0.2931,
0.6221

 106.2301, 0.3108,
0.5434


 30.8262, 0.2805,
0.6597


 135.4944, 0.3135,
0.5251

 20.4665, 0.2611,
0.7049


 169.6929, 0.3154,
0.5095

 12.7346, 0.2334,
0.7666

 209.2098, 0.3167,
0.4961

 7.2461, 0.1839,
0.8161

 254.4296, 0.3177,
0.4845

 3.6165, 0.1026,
0.8974

 305.7367, 0.3184,

 1.4614, 0.0000,

0.4743

1.0000

363.5155, 0.3188,
0.4653

■ 0.2613, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9663, 0.3014,
0.5909

■ 60.9663, 0.3014,
0.5909

■ 60.6414, 0.3005,
0.5990


■ 61.6371, 0.3027,
0.5744


■ 60.6210, 0.3005,
0.5996


■ 62.7132, 0.3042,
0.5497


■ 64.2480, 0.3059,
0.5185

■ 66.2852, 0.3075,
0.4836

 68.8633, 0.3089,
0.4478

 72.0171, 0.3102,
0.4131

 75.7783, 0.3112,
0.3809

 80.1766, 0.3121,
0.3520

 85.2396, 0.3128,
0.3266

Harmonies

Analogous

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



60.9663, 0.4174, 0.5504



60.9663, 0.3014, 0.5909



60.9663, 0.1935, 0.4864

Triad

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



60.9663, 0.3014, 0.5909



60.9663, 0.1207, 0.1538



60.9663, 0.5370, 0.2898

Complementary

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



60.9663, 0.3014, 0.5909



23.7143, 0.3135, 0.1538

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.



60.9663, 0.4108, 0.2202



60.9663, 0.3014, 0.5909



60.9663, 0.1717, 0.1465

Square

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



60.9663, 0.3014, 0.5909



60.9663, 0.1056, 0.2011



60.9663, 0.2695, 0.1694



60.9663, 0.5728, 0.3672

Rectangle

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



60.9663, 0.3014, 0.5909



60.9663, 0.1426, 0.3672



60.9663, 0.2695, 0.1694



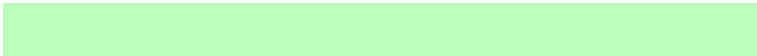
60.9663, 0.5023, 0.2655

Sweetspot

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



60.9688, 0.3014, 0.5909



85.8104, 0.3104, 0.4068



74.6608, 0.4224, 0.4973



18.0670, 0.3100, 0.4183



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.



60.9688, 0.3014, 0.5909



71.5731, 0.3005, 0.5996



62.2615, 0.2727, 0.4937



16.8853, 0.3121, 0.3533



33.1058, 0.3007, 0.5994



2.6078, 0.3026, 0.5979

Inverse Universe

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



23.7143, 0.3135, 0.1538



26.9517, 0.3127, 0.1496



20.6017, 0.4607, 0.2377



15.2875, 0.3133, 0.3058



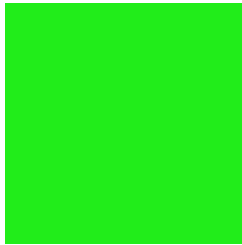
12.4759, 0.3129, 0.1497



0.9875, 0.3141, 0.1504

Previews

White Background



This preview shows how the Yxy color 60.9663, 0.3014, 0.5909 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 60.9663, 0.3014, 0.5909 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 60.9663, 0.3014, 0.5909

Background



This preview shows how black text looks on a background with the Yxy color 60.9663, 0.3014, 0.5909.



This preview shows how white text looks on a background with the Yxy color 60.9663, 0.3014, 0.5909.

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

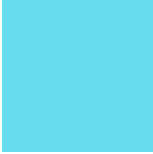
60.9663, 0.3014, 0.5909

Protanopia

59.3940, 0.4401, 0.4865

Deuteranopia

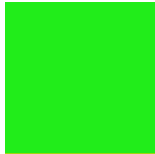
59.2448, 0.4606, 0.4488



Tritanopia

60.2430, 0.2367, 0.3059

Trichromacy



Original Color

60.9663, 0.3014, 0.5909



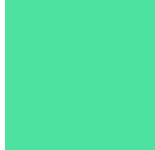
Protanomaly

55.9074, 0.3714, 0.5394



Deuteranomaly

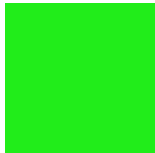
54.2999, 0.3833, 0.5141



Tritanomaly

58.5856, 0.2656, 0.4232

Monochromacy



Original Color

60.9663, 0.3014, 0.5909



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

38.1588, 0.3090, 0.4562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9663, 0.3014, 0.5909 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(33, 237, 26)` looks like.

```
.text, #text, p{  
    color:rgb(33, 237, 26)  
}
```

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(33, 237, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 237, 26) }
```

Border

The CSS property to change the border of an element to Yxy 60.9663, 0.3014, 0.5909 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(33, 237, 26) }
```

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

```
.border{ border-color:rgb(33, 237, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 237, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 237, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 237, 26);  
box-shadow:4px 4px 4px 4px rgb(33, 237,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9663, 0.3014, 0.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 237, 26) }
```

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

```
.background{ background-color: rgb(33, 237,  
26) }
```

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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