

Converting Colors

$Yxy(60.8811, 0.3023, 0.5954)$

Have a look what the booklet for
Yxy(60.8811, 0.3023, 0.5954)
contains.

Yxy(60.8862, 0.3023, 0.5953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(60.8862, 0.3023, 0.5953)

Conversions

Conversions Part 1

Format	Color
Hex	1FED0C
RGB	31, 237, 12
RGB Percent	12%, 93%, 5%
CMY	0.8780, 0.0706, 0.9525
CMYK	0.87, 0.00, 0.95, 0.07
HSL	115°, 90%, 49%
HSV	115°, 95%, 93%
XYZ	30.9187, 60.8862, 10.4733
YIQ	149.7560, -50.5510, -113.6470

Conversions

Conversions Part 2

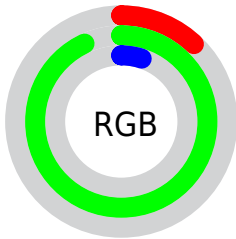
Format	Color
RYB	12, 237, 218
Decimal	2092300
CIELab	82.32, -79.91, 77.88
CIELCh	82, 111.581, 135.739
Yxy	60.8862, 0.3023, 0.5953
Android (android.graphics.Color)	4280282380 (0xFF1FED0C)
YUV	149.7560, -67.9137, -104.1490
Hunter-Lab	78.0296, -65.8224, 46.6627

Details

The Yxy color **60.8862, 0.3023, 0.5953** 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 **21.2857, 0.3005, 0.1443**, and the grayscale version is **30.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3403, 0.3160, 0.5297**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.7177, 0.3015, 0.5988**, and if you desaturate by 10%, it is **61.4469, 0.3044, 0.5834**.

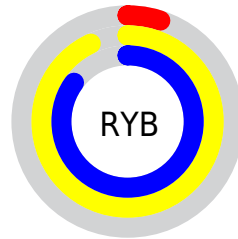
Distribution



Red (12%)

Green (93%)

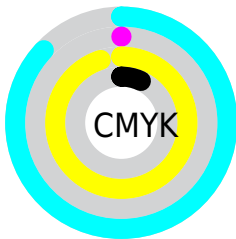
Blue (5%)



Red (5%)

Yellow (93%)

Blue (85%)

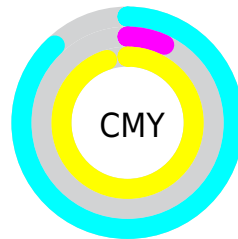


Cyan (87%)

Magenta (0%)

Yellow (95%)

Black (7%)



Cyan (88%)


Magenta (7%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.8862, 0.3023, 0.5953 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 60.8862, 0.3023, 0.5953 by changing the saturation by 10% instead.


 60.8862, 0.3023,
0.5953


 60.8862, 0.3023,
0.5953

 427.8566, 0.3203,
0.4598

 44.1333, 0.2938,
0.6267

 106.1141, 0.3119,
0.5472


 30.7753, 0.2808,
0.6643


 135.3580, 0.3147,
0.5287


 20.4278, 0.2608,
0.7093


 169.5343, 0.3166,
0.5129

 12.7064, 0.2317,
0.7683

 209.0275, 0.3179,
0.4992

 7.2267, 0.1820,
0.8180

 254.2219, 0.3188,
0.4874

 3.6043, 0.0993,
0.9007

 305.5020, 0.3195,

 1.4548, 0.0000,

0.4771

1.0000

363.2521, 0.3200,
0.4679

■ 0.2566, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.8862, 0.3023,
0.5953

■ 60.8862, 0.3023,
0.5953

■ 60.7177, 0.3015,
0.5988


■ 61.4469, 0.3044,
0.5834


■ 62.3662, 0.3065,
0.5630


■ 63.6949, 0.3084,
0.5353

■ 65.4737, 0.3101,
0.5026

 67.7384, 0.3113,
0.4676

 70.5211, 0.3122,
0.4325

 73.8513, 0.3126,
0.3991

 77.7561, 0.3128,
0.3685

 82.2608, 0.3128,
0.3412

Harmonies

Analogous

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



60.8862, 0.4194, 0.5511



60.8862, 0.3023, 0.5953



60.8862, 0.1932, 0.4919

Triad

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



60.8862, 0.3023, 0.5953



60.8862, 0.1184, 0.1524



60.8862, 0.5386, 0.2878

Complementary

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



60.8862, 0.3023, 0.5953



21.2857, 0.3005, 0.1443

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.



60.8862, 0.4096, 0.2179



60.8862, 0.3023, 0.5953



60.8862, 0.1690, 0.1446

Square

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



60.8862, 0.3023, 0.5953



60.8862, 0.1037, 0.2006



60.8862, 0.2669, 0.1672



60.8862, 0.5760, 0.3653

Rectangle

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



60.8862, 0.3023, 0.5953



60.8862, 0.1415, 0.3703



60.8862, 0.2669, 0.1672



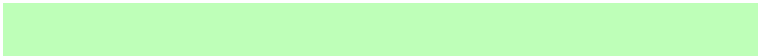
60.8862, 0.5030, 0.2633

Sweetspot

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



60.8887, 0.3023, 0.5953



85.8639, 0.3125, 0.4096



66.3844, 0.4363, 0.4896



18.0162, 0.3123, 0.4241



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.



60.8887, 0.3023, 0.5953



71.6855, 0.3014, 0.5989



61.6085, 0.2802, 0.5257



16.9229, 0.3128, 0.3533



33.1722, 0.3019, 0.5985



2.6258, 0.3068, 0.5946

Inverse Universe

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



21.2857, 0.3005, 0.1443



24.6202, 0.2993, 0.1423



20.3785, 0.4474, 0.2261



15.2453, 0.3124, 0.3057



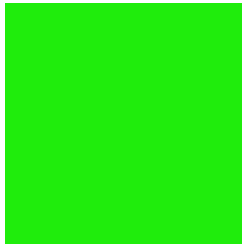
11.4185, 0.2998, 0.1425



0.9157, 0.3029, 0.1442

Previews

White Background



This preview shows how the Yxy color 60.8862, 0.3023, 0.5953 looks on a white background.

Color Contrast Check

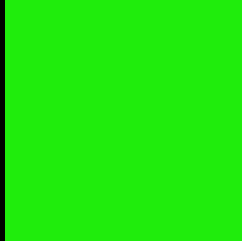
Large Text (above 18pt) WCAG AA × Fail

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 60.8862, 0.3023, 0.5953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

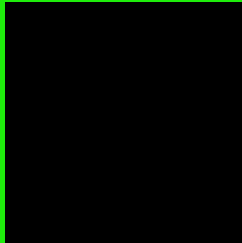
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.8862, 0.3023, 0.5953

Background



This preview shows how black text looks on a background with the Yxy color 60.8862, 0.3023, 0.5953.



This preview shows how white text looks on a background with the Yxy color 60.8862, 0.3023, 0.5953.

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

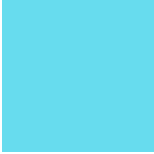
60.8862, 0.3023, 0.5953

Protanopia

59.3699, 0.4411, 0.4880

Deuteranopia

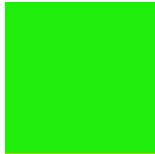
59.2072, 0.4620, 0.4506



Tritanopia

60.2430, 0.2367, 0.3059

Trichromacy



Original Color

60.8862, 0.3023, 0.5953



Protanomaly

55.7777, 0.3716, 0.5422



Deuteranomaly

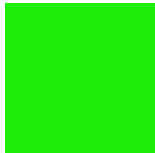
54.2440, 0.3854, 0.5182



Tritanomaly

58.3708, 0.2677, 0.4310

Monochromacy



Original Color

60.8862, 0.3023, 0.5953



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

37.5018, 0.3114, 0.4655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8862, 0.3023, 0.5953 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(31, 237, 12)` looks like.

```
.text, #text, p{  
    color:rgb(31, 237, 12)  
}
```

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(31, 237, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 237, 12) }
```

Border

The CSS property to change the border of an element to Yxy 60.8862, 0.3023, 0.5953 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(31, 237, 12) }
```

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

```
.border{ border-color:rgb(31, 237, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 237, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 237, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 237, 12);  
box-shadow:4px 4px 4px 4px rgb(31, 237,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8862, 0.3023, 0.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 237, 12) }
```

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

```
.background{ background-color: rgb(31, 237,  
12) }
```

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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