

Converting Colors

$Y_{xy}(61.1038, 0.3045, 0.5964)$

Have a look what the booklet for
Yxy(61.1038, 0.3045, 0.5964)
contains.

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Color

Yxy(61.0195, 0.3045, 0.5964)

Conversions

Conversions Part 1

Format	Color
Hex	28ED00
RGB	40, 237, 0
RGB Percent	16%, 93%, 0%
CMY	0.8439, 0.0705, 0.9994
CMYK	0.83, 0.00, 1.00, 0.07
HSL	110°, 100%, 47%
HSV	110°, 100%, 93%
XYZ	31.1543, 61.0195, 10.1392
YIQ	151.0790, -41.3350, -115.4710

Conversions

Conversions Part 2

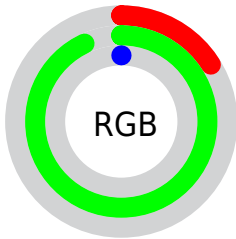
Format	Color
RYB	0, 237, 197
Decimal	2682112
CIELab	82.39, -79.35, 78.98
CIELCh	82, 111.958, 135.131
Yxy	61.0195, 0.3045, 0.5964
Android (android.graphics.Color)	4280872192 (0xFF28ED00)
YUV	151.0790, -74.4819, -97.4163
Hunter-Lab	78.1150, -65.5107, 46.9847

Details

The Yxy color **61.0195, 0.3045, 0.5964** 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 **18.0355, 0.2783, 0.1307**, and the grayscale version is **31.3062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6012, 0.3186, 0.5304**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.0193, 0.3045, 0.5964**, and if you desaturate by 10%, it is **61.5862, 0.3077, 0.5870**.

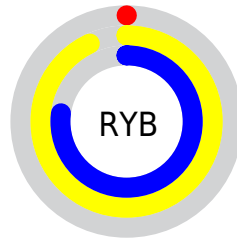
Distribution



Red (16%)

Green (93%)

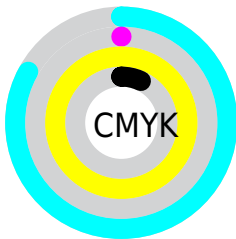
Blue (0%)



Red (0%)

Yellow (93%)

Blue (77%)

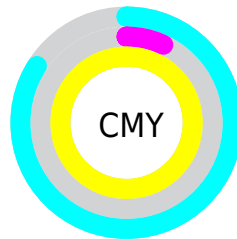


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (84%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.0195, 0.3045, 0.5964 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 61.0195, 0.3045, 0.5964 by changing the saturation by 10% instead.


 61.0195, 0.3045,
0.5964


 61.0195, 0.3045,
0.5964

428.3455, 0.3217,
0.4608


 44.2409, 0.2960,
0.6276


 106.3072, 0.3140,
0.5484


 30.8599, 0.2831,
0.6649


 135.5850, 0.3166,
0.5299

 20.4922, 0.2632,
0.7094


 169.7981, 0.3184,
0.5140

 12.7533, 0.2338,
0.7662

 209.3308, 0.3196,
0.5004

 7.2589, 0.1844,
0.8156

 254.5675, 0.3205,
0.4885

 3.6245, 0.1036,
0.8964

 305.8926, 0.3211,

 1.4658, 0.0000,

0.4781

1.0000

363.6904, 0.3215,
0.4689

■ 0.2645, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.0195, 0.3045,
0.5964

■ 61.0195, 0.3045,
0.5964

■ 61.0193, 0.3045,
0.5964

■ 61.5862, 0.3077,
0.5870

■ 62.4582, 0.3110,
0.5703

■ 63.6856, 0.3136,
0.5460

■ 65.3033, 0.3155,
0.5161

■ 67.3416, 0.3165,
0.4827

■ 69.8279, 0.3167,
0.4483

■ 72.7870, 0.3163,
0.4147

■ 76.2422, 0.3154,
0.3832

■ 80.2149, 0.3141,
0.3545

Harmonies

Analogous

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



61.0195, 0.4217, 0.5497



61.0195, 0.3045, 0.5964



61.0195, 0.1947, 0.4958

Triad

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



61.0195, 0.3045, 0.5964



61.0195, 0.1175, 0.1526



61.0195, 0.5373, 0.2861

Complementary

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



61.0195, 0.3045, 0.5964



18.0355, 0.2783, 0.1307

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.



61.0195, 0.4068, 0.2164



61.0195, 0.3045, 0.5964



61.0195, 0.1673, 0.1441

Square

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



61.0195, 0.3045, 0.5964



61.0195, 0.1034, 0.2018



61.0195, 0.2642, 0.1662



61.0195, 0.5768, 0.3635

Rectangle

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



61.0195, 0.3045, 0.5964



61.0195, 0.1423, 0.3740



61.0195, 0.2642, 0.1662



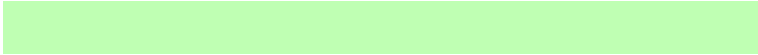
61.0195, 0.5010, 0.2617

Sweetspot

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



61.0220, 0.3045, 0.5964



85.8711, 0.3163, 0.4153



56.4060, 0.4565, 0.4757



18.0494, 0.3166, 0.4293



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.



61.0220, 0.3045, 0.5964



72.0271, 0.3043, 0.5966



61.0855, 0.2884, 0.5581



16.9833, 0.3141, 0.3532



33.3489, 0.3052, 0.5959



2.6545, 0.3132, 0.5895

Inverse Universe

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



18.0355, 0.2783, 0.1307



21.2616, 0.2781, 0.1305



20.6183, 0.4228, 0.2103



15.1787, 0.3111, 0.3056



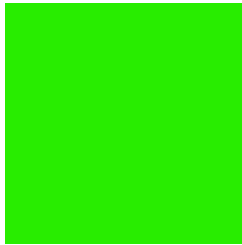
9.8920, 0.2789, 0.1310



0.8106, 0.2851, 0.1344

Previews

White Background



This preview shows how the Yxy color 61.0195, 0.3045, 0.5964 looks on a white background.

Color Contrast Check

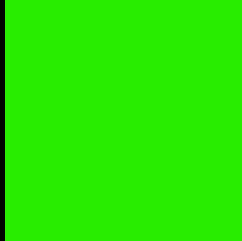
Large Text (above 18pt) WCAG AA × Fail

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 61.0195, 0.3045, 0.5964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

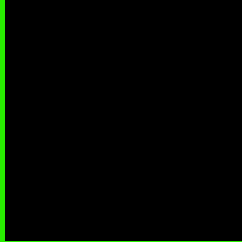
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.0195, 0.3045, 0.5964

Background



This preview shows how black text looks on a background with the Yxy color 61.0195, 0.3045, 0.5964.



This preview shows how white text looks on a background with the Yxy color 61.0195, 0.3045, 0.5964.

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

61.0195, 0.3045, 0.5964

Protanopia

59.3699, 0.4411, 0.4880

Deuteranopia

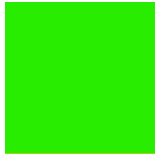
59.6570, 0.4608, 0.4510



Tritanopia

60.3627, 0.2375, 0.3060

Trichromacy



Original Color

61.0195, 0.3045, 0.5964



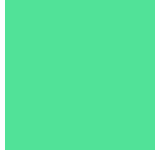
Protanomaly

56.0745, 0.3743, 0.5410



Deuteranomaly

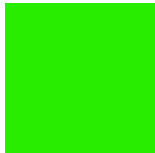
55.0635, 0.3879, 0.5182



Tritanomaly

58.4090, 0.2711, 0.4368

Monochromacy



Original Color

61.0195, 0.3045, 0.5964



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

37.6799, 0.3171, 0.4706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.0195, 0.3045, 0.5964 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(40, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 237, 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(40, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 61.0195, 0.3045, 0.5964 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(40, 237, 0) }
```

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

```
.border{ border-color:rgb(40, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(40, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 237, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 61.0195, 0.3045, 0.5964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 237, 0) }
```

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

```
.background{ background-color: rgb(40, 237,  
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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