

Converting Colors

$Y_{xy}(62.2902, 0.3161, 0.5872)$

Have a look what the booklet for
Yxy(62.2902, 0.3161, 0.5872)
contains.

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Color

Yxy(62.2306, 0.3162, 0.5872)

Conversions

Conversions Part 1

Format	Color
Hex	4FED00
RGB	79, 237, 0
RGB Percent	31%, 93%, 0%
CMY	0.6900, 0.0706, 1.0000
CMYK	0.67, 0.00, 1.00, 0.07
HSL	100°, 100%, 46%
HSV	100°, 100%, 93%
XYZ	33.5104, 62.2306, 10.2375
YIQ	162.7400, -18.0910, -107.2030

Conversions

Conversions Part 2

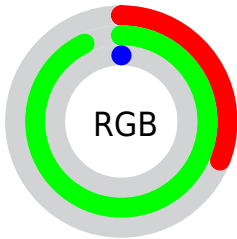
Format	Color
RYB	0, 237, 158
Decimal	5238016
CIELab	83.04, -73.65, 79.81
CIELCh	83, 108.601, 132.704
Yxy	62.2306, 0.3162, 0.5872
Android (android.graphics.Color)	4283428096 (0xFF4FED00)
YUV	162.7400, -80.2308, -73.4400
Hunter-Lab	78.8864, -62.2255, 47.5261

Details

The Yxy color **62.2306, 0.3162, 0.5872** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **13.3789, 0.2371, 0.1080**, and the grayscale version is **36.8968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5372, 0.3312, 0.5225**, and **32.6425, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.2338, 0.3162, 0.5871**, and if you desaturate by 10%, it is **63.0587, 0.3214, 0.5765**.

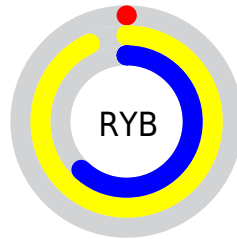
Distribution



Red (31%)

Green (93%)

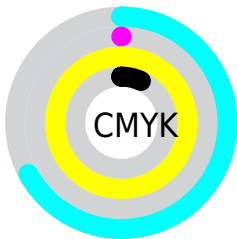
Blue (0%)



Red (0%)

Yellow (93%)

Blue (62%)

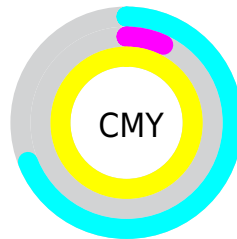


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (69%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2306, 0.3162, 0.5872 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 62.2306, 0.3162, 0.5872 by changing the saturation by 10% instead.


 62.2306, 0.3162,
0.5872

 62.2306, 0.3162,
0.5872


432.7717, 0.3275,
0.4578


 45.2191, 0.3092,
0.6165


 108.0587, 0.3235,
0.5418

 31.6300, 0.2981,
0.6514


 137.6441, 0.3253,
0.5242

 21.0790, 0.2805,
0.6927


 172.1896, 0.3265,
0.5090

 13.1818, 0.2543,
0.7457

 212.0795, 0.3271,
0.4959

 7.5539, 0.2081,
0.7919

 257.6983, 0.3275,
0.4845

 3.8108, 0.1411,
0.8589

 309.4303, 0.3276,

 1.5683, 0.0000,

0.4745

1.0000

367.6600, 0.3276,
0.4657

■ 0.3361, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2306, 0.3162,
0.5872

■ 62.2306, 0.3162,
0.5872

■ 62.2338, 0.3162,
0.5871

■ 63.0587, 0.3214,
0.5765

■ 64.1340, 0.3256,
0.5597

■ 65.4944, 0.3284,
0.5364

■ 67.1632, 0.3295,
0.5082

■ 69.1610, 0.3289,
0.4770

■ 71.5065, 0.3271,
0.4447

■ 74.2167, 0.3242,
0.4128

■ 77.3074, 0.3207,
0.3825

■ 80.7934, 0.3168,
0.3544

Harmonies

Analogous

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



62.2306, 0.4301, 0.5379



62.2306, 0.3162, 0.5872



62.2306, 0.2070, 0.5017

Triad

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



62.2306, 0.3162, 0.5872



62.2306, 0.1197, 0.1595



62.2306, 0.5219, 0.2824

Complementary

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



62.2306, 0.3162, 0.5872



13.3789, 0.2371, 0.1080

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.



62.2306, 0.3920, 0.2148



62.2306, 0.3162, 0.5872



62.2306, 0.1657, 0.1481

Square

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



62.2306, 0.3162, 0.5872



62.2306, 0.1086, 0.2126



62.2306, 0.2565, 0.1674



62.2306, 0.5698, 0.3585

Rectangle

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



62.2306, 0.3162, 0.5872



62.2306, 0.1526, 0.3870



62.2306, 0.2565, 0.1674



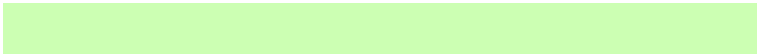
62.2306, 0.4846, 0.2585

Sweetspot

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



62.2338, 0.3162, 0.5871



87.5940, 0.3243, 0.4132



41.1329, 0.4993, 0.4418



18.4478, 0.3256, 0.4265



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.



62.2338, 0.3162, 0.5871



73.4537, 0.3159, 0.5873



60.6941, 0.2970, 0.5891



17.1062, 0.3166, 0.3530



34.0408, 0.3173, 0.5863



2.7239, 0.3278, 0.5779

Inverse Universe

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



13.3789, 0.2371, 0.1080



15.7603, 0.2368, 0.1078



22.2432, 0.3636, 0.1777



15.0476, 0.3085, 0.3054



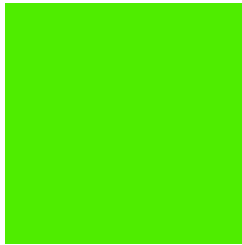
7.3789, 0.2384, 0.1087



0.6316, 0.2500, 0.1151

Previews

White Background



This preview shows how the Yxy color 62.2306, 0.3162, 0.5872 looks on a white background.

Color Contrast Check

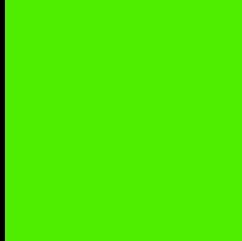
Large Text (above 18pt) WCAG AA × Fail

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 62.2306, 0.3162, 0.5872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

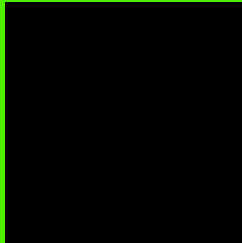
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

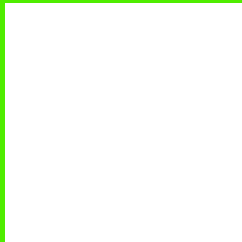
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.2306, 0.3162, 0.5872

Background



This preview shows how black text looks on a background with the Yxy color 62.2306, 0.3162, 0.5872.



This preview shows how white text looks on a background with the Yxy color 62.2306, 0.3162, 0.5872.

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

62.2306, 0.3162, 0.5872

Protanopia

60.6516, 0.4409, 0.4881

Deuteranopia

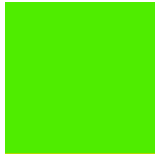
60.7581, 0.4511, 0.4426



Tritanopia

61.5704, 0.2448, 0.3064

Trichromacy



Original Color

62.2306, 0.3162, 0.5872



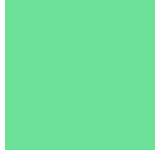
Protanomaly

58.8558, 0.3859, 0.5318



Deuteranomaly

57.3668, 0.3961, 0.5046



Tritanomaly

59.7529, 0.2828, 0.4350

Monochromacy



Original Color

62.2306, 0.3162, 0.5872



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.7319, 0.3275, 0.4600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2306, 0.3162, 0.5872 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(79, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 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(79, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 62.2306, 0.3162, 0.5872 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(79, 237, 0) }
```

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

```
.border{ border-color:rgb(79, 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(79, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 237, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 62.2306, 0.3162, 0.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 237, 0) }
```

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

```
.background{ background-color: rgb(79, 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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