

Converting Colors

$Yxy(62.1447, 0.3000, 0.6000)$

Have a look what the booklet for
Yxy(62.1447, 0.3000, 0.6000)
contains.

Yxy(62.3202, 0.3000, 0.6000)	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(62.3202, 0.3000, 0.6000)

Conversions

Conversions Part 1

Format	Color
Hex	00F000
RGB	0, 240, 0
RGB Percent	0%, 94%, 0%
CMY	1.0000, 0.0588, 0.9999
CMYK	1.00, 0.00, 1.00, 0.06
HSL	120°, 100%, 47%
HSV	120°, 100%, 94%
XYZ	31.1601, 62.3202, 10.3867
YIQ	140.8800, -66.0000, -125.5200

Conversions

Conversions Part 2

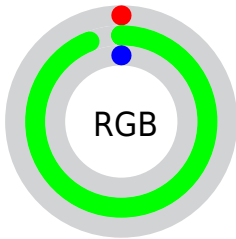
Format	Color
RYB	0, 240, 240
Decimal	61440
CIELab	83.08, -82.32, 79.45
CIELCh	83, 114.405, 136.016
Yxy	62.3202, 0.3000, 0.6000
Android (android.graphics.Color)	4278251520 (0xFF00F000)
YUV	140.8800, -69.4538, -123.5518
Hunter-Lab	78.9431, -67.6937, 47.4593

Details

The Yxy color **62.3202, 0.3000, 0.6000** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **24.8155, 0.3210, 0.1542**, and the grayscale version is **26.8863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9543, 0.3142, 0.5331**, and **33.4559, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **62.3228, 0.3000, 0.6000**, and if you desaturate by 10%, it is **62.5830, 0.3003, 0.5929**.

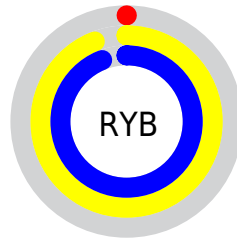
Distribution



Red (0%)

Green (94%)

Blue (0%)



Red (0%)

Yellow (94%)

Blue (94%)

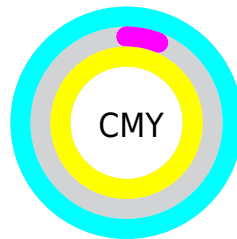


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (100%)


Magenta (6%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3202, 0.3000, 0.6000 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 62.3202, 0.3000, 0.6000 by changing the saturation by 10% instead.


 62.3202, 0.3000,
0.6000


 62.3202, 0.3000,
0.6000


 433.0981, 0.3195,
0.4626

 45.2915, 0.2911,
0.6316


 108.1882, 0.3102,
0.5514

 31.6871, 0.2776,
0.6694

 137.7962, 0.3132,
0.5326

 21.1226, 0.2572,
0.7143


 172.3662, 0.3152,
0.5166

 13.2136, 0.2276,
0.7724

 212.2824, 0.3167,
0.5027

 7.5758, 0.1781,
0.8219

 257.9293, 0.3178,
0.4907

 3.8248, 0.0988,
0.9012

 309.6913, 0.3186,

 1.5760, 0.0000,

0.4802

1.0000

367.9528, 0.3191,
0.4709

■ 0.3414, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.3202, 0.3000,
0.6000

■ 62.3202, 0.3000,
0.6000

■ 62.3228, 0.3000,
0.6000


■ 62.5830, 0.3003,
0.5929


■ 63.1647, 0.3010,
0.5777


■ 64.1687, 0.3022,
0.5539


■ 65.6545, 0.3036,
0.5232

 67.6725, 0.3052,
0.4883

 70.2664, 0.3069,
0.4521

 73.4755, 0.3086,
0.4169

 77.3359, 0.3101,
0.3842

 81.8805, 0.3115,
0.3549

Harmonies

Analogous

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



62.3202, 0.4184, 0.5543



62.3202, 0.3000, 0.6000



62.3202, 0.1901, 0.4935

Triad

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



62.3202, 0.3000, 0.6000



62.3202, 0.1166, 0.1500



62.3202, 0.5431, 0.2874

Complementary

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



62.3202, 0.3000, 0.6000



24.8155, 0.3210, 0.1542

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.



62.3202, 0.4125, 0.2170



62.3202, 0.3000, 0.6000



62.3202, 0.1679, 0.1426

Square

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



62.3202, 0.3000, 0.6000



62.3202, 0.1014, 0.1978



62.3202, 0.2672, 0.1657



62.3202, 0.5793, 0.3653

Rectangle

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



62.3202, 0.3000, 0.6000



62.3202, 0.1385, 0.3690



62.3202, 0.2672, 0.1657



62.3202, 0.5072, 0.2628

Sweetspot

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



62.3228, 0.3000, 0.6000



84.2791, 0.3086, 0.4173



80.8487, 0.4193, 0.5053



17.6874, 0.3079, 0.4319



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.



62.3228, 0.3000, 0.6000



71.5201, 0.3000, 0.6000



63.6788, 0.2732, 0.5035



17.6564, 0.3116, 0.3534



34.1151, 0.3000, 0.6000



2.8381, 0.3000, 0.6000

Inverse Universe

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



24.8155, 0.3210, 0.1542



28.4777, 0.3210, 0.1542



19.8821, 0.4994, 0.2525



16.0314, 0.3138, 0.3057



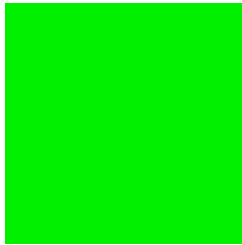
13.5839, 0.3210, 0.1542



1.1301, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 62.3202, 0.3000, 0.6000 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 62.3202, 0.3000, 0.6000 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

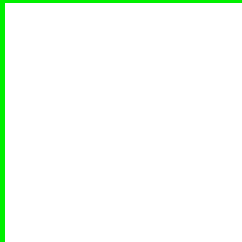
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.3202, 0.3000, 0.6000

Background



This preview shows how black text looks on a background with the Yxy color 62.3202, 0.3000, 0.6000.



This preview shows how white text looks on a background with the Yxy color 62.3202, 0.3000, 0.6000.

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

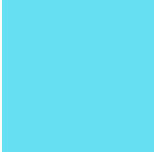
62.3202, 0.3000, 0.6000

Protanopia

60.6516, 0.4409, 0.4881

Deuteranopia

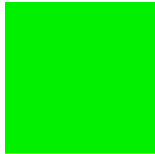
60.7713, 0.4506, 0.4420



Tritanopia

61.8929, 0.2356, 0.3061

Trichromacy



Original Color

62.3202, 0.3000, 0.6000



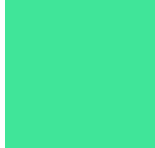
Protanomaly

56.3459, 0.3624, 0.5504



Deuteranomaly

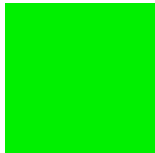
54.4672, 0.3712, 0.5226



Tritanomaly

59.4285, 0.2657, 0.4401

Monochromacy



Original Color

62.3202, 0.3000, 0.6000



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

34.3561, 0.3055, 0.4819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3202, 0.3000, 0.6000 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(0, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 240, 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(0, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 62.3202, 0.3000, 0.6000 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(0, 240, 0) }
```

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

```
.border{ border-color:rgb(0, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 240, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 240, 0); box-shadow:4px  
4px 4px 4px rgb(0, 240, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3202, 0.3000, 0.6000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 240, 0) }
```

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

```
.background{ background-color: rgb(0, 240,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor