

Converting Colors

$Y_{xy}(71.5233, 0.3000, 0.6000)$

Have a look what the booklet for
Yxy(71.5233, 0.3000, 0.6000)
contains.

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Color

Yxy(71.5200, 0.3000, 0.6000)

Conversions

Conversions Part 1

Format	Color
Hex	00FF00
RGB	0, 255, 0
RGB Percent	0%, 100%, 0%
CMY	1.0000, 0.0000, 0.9998
CMYK	1.00, 0.00, 1.00, 0.00
HSL	120°, 100%, 50%
HSV	120°, 100%, 100%
XYZ	35.7600, 71.5200, 11.9200
YIQ	149.6850, -70.1250, -133.3650

Conversions

Conversions Part 2

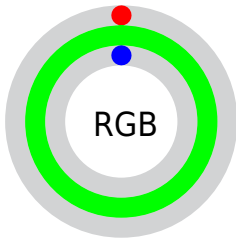
Format	Color
RYB	0, 255, 255
Decimal	65280
CIELab	87.74, -86.18, 83.18
CIELCh	88, 119.779, 136.016
Yxy	71.5200, 0.3000, 0.6000
Android (android.graphics.Color)	4278255360 (0xFF00FF00)
YUV	149.6850, -73.7947, -131.2737
Hunter-Lab	84.5695, -72.5183, 50.8418

Details

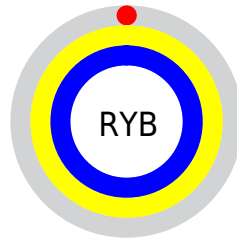
The Yxy color **71.5200, 0.3000, 0.6000** is a dark color, and the websafe version is hex **00FF00**, and the color name is [lime](#). The color can be described as dark saturated green. A complement of this color would be **28.4775, 0.3210, 0.1542**, and the grayscale version is **30.7019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2858, 0.3151, 0.5291**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5201, 0.3000, 0.6000**, and if you desaturate by 10%, it is **71.8056, 0.3003, 0.5932**.

Distribution



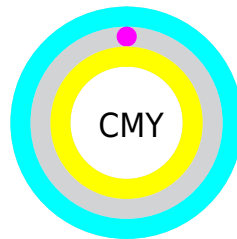
- Red (0%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5200, 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 71.5200, 0.3000, 0.6000 by changing the saturation by 10% instead.


 71.5200, 0.3000,
0.6000

 71.5200, 0.3000,
0.6000


465.8692, 0.3193,
0.4658

 52.7667, 0.2916,
0.6300


 121.3739, 0.3099,
0.5533


 37.6165, 0.2791,
0.6657


 153.2432, 0.3128,
0.5350

 25.6852, 0.2604,
0.7077


 190.2532, 0.3149,
0.5193

 16.5883, 0.2350,
0.7650

 232.7885, 0.3164,
0.5057

 9.9414, 0.1905,
0.8095

 281.2333, 0.3175,
0.4938

 5.3601, 0.1319,
0.8681


 335.9721, 0.3183,

 2.4601, 0.0000,


0.4833


1.0000


397.3893, 0.3189,
0.4741


 0.8565, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.5200, 0.3000,
0.6000


 71.5200, 0.3000,
0.6000


 71.5201, 0.3000,
0.6000

 71.8056, 0.3003,
0.5932


 72.4631, 0.3010,
0.5782

 73.6062, 0.3021,
0.5545

 75.3046, 0.3036,
0.5238

 77.6164, 0.3052,
0.4889

 80.5927, 0.3069,
0.4526

 84.2792, 0.3086,
0.4173

 88.7174, 0.3101,
0.3845

 93.9457, 0.3115,
0.3549

Harmonies

Analogous

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



71.5200, 0.4184, 0.5543



71.5200, 0.3000, 0.6000



71.5200, 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.



71.5200, 0.3000, 0.6000



71.5200, 0.1166, 0.1500



71.5200, 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.



71.5200, 0.3000, 0.6000



28.4775, 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.



71.5200, 0.4125, 0.2170



71.5200, 0.3000, 0.6000



71.5200, 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.



71.5200, 0.3000, 0.6000



71.5200, 0.1014, 0.1978



71.5200, 0.2672, 0.1657



71.5200, 0.5793, 0.3653

Rectangle

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



71.5200, 0.3000, 0.6000



71.5200, 0.1385, 0.3690



71.5200, 0.2672, 0.1657



71.5200, 0.5072, 0.2628

Sweetspot

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



71.5201, 0.3000, 0.6000



84.2792, 0.3086, 0.4173



92.7800, 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.



71.5201, 0.3000, 0.6000



73.0654, 0.2734, 0.5041



20.1682, 0.3116, 0.3536



37.3708, 0.3000, 0.6000



3.6387, 0.3000, 0.6000

Inverse Universe

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



28.4775, 0.3210, 0.1542



28.4775, 0.3210, 0.1542



22.8054, 0.5001, 0.2529



18.3004, 0.3138, 0.3056



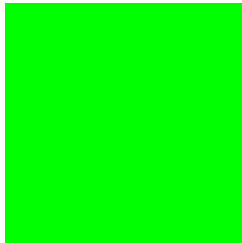
14.8801, 0.3210, 0.1542



1.4488, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 71.5200, 0.3000, 0.6000 looks on a white background.

Color Contrast Check

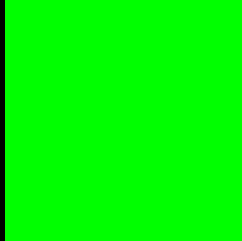
Large Text (above 18pt) WCAG AA × Fail

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 71.5200, 0.3000, 0.6000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

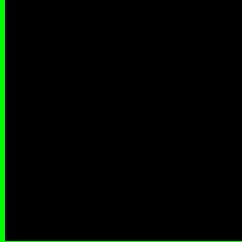
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

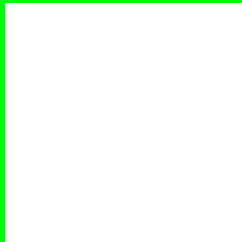
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.5200, 0.3000, 0.6000

Background



This preview shows how black text looks on a background with the Yxy color 71.5200, 0.3000, 0.6000.



This preview shows how white text looks on a background with the Yxy color 71.5200, 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

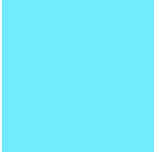
71.5200, 0.3000, 0.6000

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

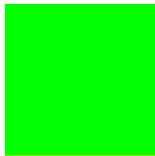
69.8317, 0.3968, 0.3987



Tritanopia

70.7216, 0.2375, 0.3062

Trichromacy



Original Color

71.5200, 0.3000, 0.6000



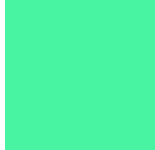
Protanomaly

64.3199, 0.3632, 0.5499



Deuteranomaly

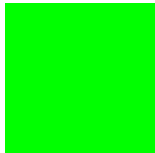
63.3749, 0.3473, 0.4973



Tritanomaly

68.0875, 0.2670, 0.4407

Monochromacy



Original Color

71.5200, 0.3000, 0.6000



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

39.2256, 0.3055, 0.4838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5200, 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, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 71.5200, 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, 255, 0) }
```

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

```
.border{ border-color:rgb(0, 255, 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, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 255, 0); box-shadow:4px  
4px 4px 4px rgb(0, 255, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 71.5200, 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, 255, 0) }
```

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

```
.background{ background-color: rgb(0, 255,  
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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