

Converting Colors

$Y_{xy}(70.0064, 0.3081, 0.5725)$

Have a look what the booklet for
Yxy(70.0064, 0.3081, 0.5725)
contains.

Yxy(70.1467, 0.3080, 0.5722)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.1467, 0.3080, 0.5722)

Conversions

Conversions Part 1

Format	Color
Hex	4CFA33
RGB	76, 250, 51
RGB Percent	30%, 98%, 20%
CMY	0.7024, 0.0196, 0.7998
CMYK	0.70, 0.00, 0.80, 0.02
HSL	113°, 95%, 59%
HSV	113°, 80%, 98%
XYZ	37.7581, 70.1467, 14.6864
YIQ	175.2880, -39.8250, -98.7770

Conversions

Conversions Part 2

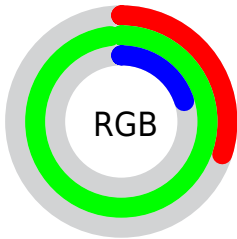
Format	Color
RYB	51, 250, 225
Decimal	5044787
CIELab	87.07, -76.70, 75.14
CIElCh	87, 107.372, 135.591
Yxy	70.1467, 0.3080, 0.5722
Android (android.graphics.Color)	4283234867 (0xFF4CFA33)
YUV	175.2880, -61.2740, -87.0756
Hunter-Lab	83.7536, -66.0969, 48.2309

Details

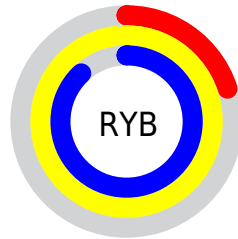
The Yxy color **70.1467, 0.3080, 0.5722** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **25.3096, 0.2957, 0.1510**, and the grayscale version is **43.3552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9153, 0.3216, 0.4999**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.2375, 0.3053, 0.5888**, and if you desaturate by 10%, it is **71.4846, 0.3104, 0.5478**.

Distribution



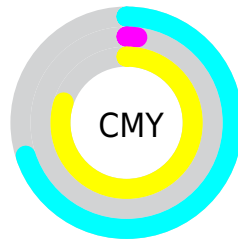
- Red (30%)
- Green (98%)
- Blue (20%)



- Red (20%)
- Yellow (98%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (80%)
- Black (2%)



- Cyan (70%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1467, 0.3080, 0.5722 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 70.1467, 0.3080, 0.5722 by changing the saturation by 10% instead.


 70.1467, 0.3080,
0.5722

 70.1467, 0.3080,
0.5722


461.0649, 0.3208,
0.4511


 51.6461, 0.3017,
0.6000


 119.4179, 0.3151,
0.5296


 36.7231, 0.2922,
0.6337


 150.9574, 0.3170,
0.5131


 24.9932, 0.2774,
0.6743


 187.6120, 0.3184,
0.4989

 16.0720, 0.2552,
0.7258

 229.7660, 0.3193,
0.4867

 9.5751, 0.2182,
0.7818

 277.8039, 0.3199,
0.4761

 5.1182, 0.1611,
0.8389


332.1101, 0.3204,


 2.3168, 0.0000,


0.4668


1.0000


393.0690, 0.3207,
0.4585


 0.7826, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.1467, 0.3080,
0.5722

 70.1467, 0.3080,
0.5722


 69.2375, 0.3053,
0.5888


 71.4846, 0.3104,
0.5478


 68.6896, 0.3027,
0.5976

 73.2869, 0.3123,
0.5173

 68.6727, 0.3026,
0.5979


 75.5953, 0.3135,
0.4834


 78.4442, 0.3142,
0.4484

 81.8654, 0.3143,
0.4143

 85.8877, 0.3140,
0.3825

 90.5384, 0.3135,
0.3536

 95.8429, 0.3127,
0.3280

 96.8580, 0.3129,
0.3243

Harmonies

Analogous

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



70.1467, 0.4185, 0.5386



70.1467, 0.3080, 0.5722



70.1467, 0.2039, 0.4773

Triad

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



70.1467, 0.3080, 0.5722



70.1467, 0.1288, 0.1632



70.1467, 0.5206, 0.2923

Complementary

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



70.1467, 0.3080, 0.5722



25.3096, 0.2957, 0.1510

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.



70.1467, 0.4020, 0.2250



70.1467, 0.3080, 0.5722



70.1467, 0.1777, 0.1548

Square

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



70.1467, 0.3080, 0.5722



70.1467, 0.1150, 0.2110



70.1467, 0.2704, 0.1764



70.1467, 0.5587, 0.3678

Rectangle

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



70.1467, 0.3080, 0.5722



70.1467, 0.1537, 0.3691



70.1467, 0.2704, 0.1764



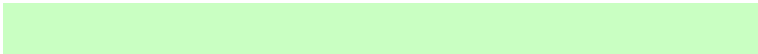
70.1467, 0.4875, 0.2687

Sweetspot

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



70.1496, 0.3080, 0.5722



87.8849, 0.3142, 0.3963



73.5993, 0.4322, 0.4780



18.4959, 0.3143, 0.4077



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.



70.1496, 0.3080, 0.5722



72.0620, 0.3038, 0.5944



70.5385, 0.2793, 0.5026



19.4130, 0.3134, 0.3534



36.4551, 0.3032, 0.5975



3.4082, 0.3088, 0.5930

Inverse Universe

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



25.3096, 0.2957, 0.1510



23.4693, 0.2906, 0.1387



25.8748, 0.4098, 0.2184



17.4082, 0.3118, 0.3055



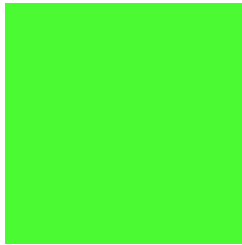
11.6753, 0.2896, 0.1369



1.1112, 0.2935, 0.1391

Previews

White Background



This preview shows how the Yxy color 70.1467, 0.3080, 0.5722 looks on a white background.

Color Contrast Check

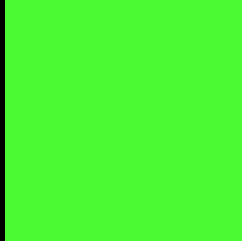
Large Text (above 18pt) WCAG AA × Fail

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 70.1467, 0.3080, 0.5722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

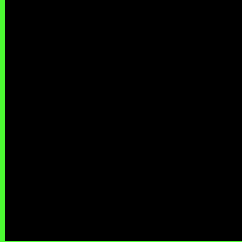
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1467, 0.3080, 0.5722

Background



This preview shows how black text looks on a background with the Yxy color 70.1467, 0.3080, 0.5722.

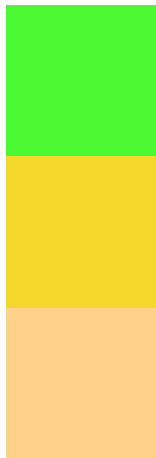


This preview shows how white text looks on a background with the Yxy color 70.1467, 0.3080, 0.5722.

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

70.1467, 0.3080, 0.5722

Protanopia

68.3336, 0.4350, 0.4799

Deuteranopia

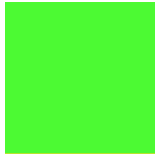
68.6671, 0.4020, 0.4027



Tritanopia

69.6661, 0.2425, 0.3063

Trichromacy



Original Color

70.1467, 0.3080, 0.5722



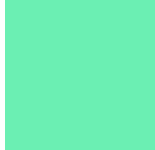
Protanomaly

65.6214, 0.3777, 0.5217



Deuteranomaly

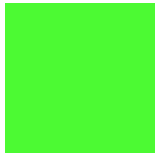
65.2991, 0.3623, 0.4685



Tritanomaly

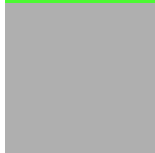
68.1135, 0.2705, 0.4088

Monochromacy



Original Color

70.1467, 0.3080, 0.5722



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.3417, 0.3143, 0.4332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1467, 0.3080, 0.5722 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(76, 250, 51)` looks like.

```
.text, #text, p{  
    color:rgb(76, 250, 51)  
}
```

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(76, 250, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 250, 51) }
```

Border

The CSS property to change the border of an element to Yxy 70.1467, 0.3080, 0.5722 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(76, 250, 51) }
```

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

```
.border{ border-color:rgb(76, 250, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 250, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 250, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 250, 51);  
box-shadow:4px 4px 4px 4px rgb(76, 250,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1467, 0.3080, 0.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 250, 51) }
```

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

```
.background{ background-color: rgb(76, 250,  
51) }
```

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