

Converting Colors

$Y_{xy}(72.6691, 0.3027, 0.5770)$

Have a look what the booklet for
Yxy(72.6691, 0.3027, 0.5770)
contains.

Yxy(72.6586, 0.3026, 0.5771)	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(72.6586, 0.3026, 0.5771)

Conversions

Conversions Part 1

Format	Color
Hex	3AFF33
RGB	58, 255, 51
RGB Percent	23%, 100%, 20%
CMY	0.7729, 0.0000, 0.8000
CMYK	0.77, 0.00, 0.80, 0.00
HSL	118°, 100%, 60%
HSV	118°, 80%, 100%
XYZ	38.0982, 72.6586, 15.1461
YIQ	172.8410, -51.9280, -105.2080

Conversions

Conversions Part 2

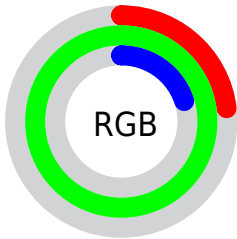
Format	Color
R_{YB}	51, 255, 248
Decimal	3866419
CIE _{Lab}	88.28, -80.84, 76.17
CIE _{LCh}	88, 111.076, 136.704
Yxy	72.6586, 0.3026, 0.5771
Android (android.graphics.Color)	4282056499 (0xFF3AFF33)
YUV	172.8410, -60.0676, -100.7156
Hunter-Lab	85.2400, -69.3890, 49.1329

Details

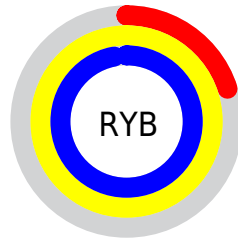
The Yxy color **72.6586, 0.3026, 0.5771** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.5577, 0.3137, 0.1600**, and the grayscale version is **42.0205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0533, 0.3157, 0.5017**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.9202, 0.3013, 0.5924**, and if you desaturate by 10%, it is **73.8670, 0.3041, 0.5532**.

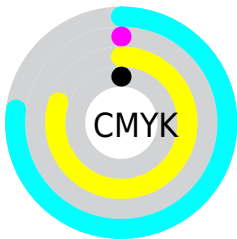
Distribution



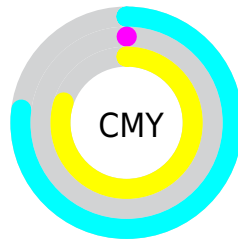
- Red (23%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6586, 0.3026, 0.5771 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 72.6586, 0.3026, 0.5771 by changing the saturation by 10% instead.

 72.6586, 0.3026,
0.5771


 72.6586, 0.3026,
0.5771


469.8307, 0.3182,
0.4539


 53.6969, 0.2958,
0.6053


 122.9924, 0.3106,
0.5338


 38.3594, 0.2856,
0.6394


 155.1333, 0.3129,
0.5170


 26.2617, 0.2702,
0.6805


 192.4360, 0.3146,
0.5026

 17.0195, 0.2471,
0.7317

 235.2849, 0.3158,
0.4902

 10.2484, 0.2104,
0.7896

 284.0644, 0.3167,
0.4794

 5.5640, 0.1540,
0.8460

339.1590, 0.3174,

 2.5818, 0.0000,

0.4698

1.0000

400.9530, 0.3178,
0.4614

■ 0.9175, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.6586, 0.3026,
0.5771

■ 72.6586, 0.3026,
0.5771

■ 71.9202, 0.3013,
0.5924


■ 73.8670, 0.3041,
0.5532

■ 71.5758, 0.3005,
0.5996

■ 75.6161, 0.3058,
0.5226

■ 77.9557, 0.3074,
0.4879

■ 80.9324, 0.3088,
0.4519

 84.5881, 0.3101,
0.4169

 88.9609, 0.3112,
0.3843

 94.0863, 0.3120,
0.3549

99.9974, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.6586, 0.4150, 0.5446



72.6586, 0.3026, 0.5771



72.6586, 0.1979, 0.4753

Triad

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



72.6586, 0.3026, 0.5771



72.6586, 0.1272, 0.1596



72.6586, 0.5282, 0.2938

Complementary

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



72.6586, 0.3026, 0.5771



29.5577, 0.3137, 0.1600

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.



72.6586, 0.4090, 0.2254



72.6586, 0.3026, 0.5771



72.6586, 0.1780, 0.1525

Square

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



72.6586, 0.3026, 0.5771



72.6586, 0.1120, 0.2057



72.6586, 0.2737, 0.1754



72.6586, 0.5627, 0.3701

Rectangle

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



72.6586, 0.3026, 0.5771



72.6586, 0.1485, 0.3636



72.6586, 0.2737, 0.1754



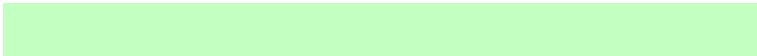
72.6586, 0.4954, 0.2698

Sweetspot

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



72.6558, 0.3026, 0.5771



87.1252, 0.3108, 0.3970



86.6825, 0.4204, 0.4896



18.3193, 0.3104, 0.4087



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.



72.6558, 0.3026, 0.5771



71.6759, 0.3007, 0.5974



74.2005, 0.2727, 0.4810



20.1975, 0.3121, 0.3535



37.4126, 0.3007, 0.5995



3.6526, 0.3024, 0.5981

Inverse Universe

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



29.5577, 0.3137, 0.1600



27.1603, 0.3126, 0.1505



26.2781, 0.4358, 0.2335



18.2671, 0.3133, 0.3056



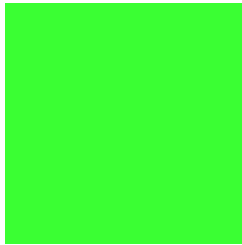
14.0573, 0.3124, 0.1495



1.3782, 0.3135, 0.1500

Previews

White Background



This preview shows how the Yxy color 72.6586, 0.3026, 0.5771 looks on a white background.

Color Contrast Check

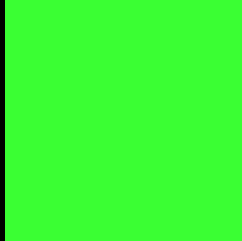
Large Text (above 18pt) WCAG AA × Fail

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 72.6586, 0.3026, 0.5771 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 72.6586, 0.3026, 0.5771

Background



This preview shows how black text looks on a background with the Yxy color 72.6586, 0.3026, 0.5771.



This preview shows how white text looks on a background with the Yxy color 72.6586, 0.3026, 0.5771.

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

72.6586, 0.3026, 0.5771

Protanopia

71.1277, 0.4349, 0.4805

Deuteranopia

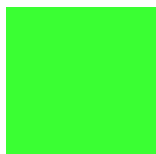
70.5490, 0.3914, 0.3928



Tritanopia

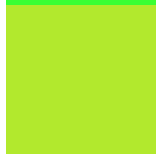
72.1483, 0.2422, 0.3077

Trichromacy



Original Color

72.6586, 0.3026, 0.5771



Protanomaly

67.9323, 0.3720, 0.5267



Deuteranomaly

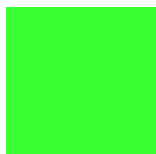
66.7690, 0.3512, 0.4662



Tritanomaly

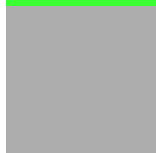
70.8043, 0.2681, 0.4121

Monochromacy



Original Color

72.6586, 0.3026, 0.5771



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.1221, 0.3090, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6586, 0.3026, 0.5771 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(58, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(58, 255, 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(58, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 72.6586, 0.3026, 0.5771 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(58, 255, 51) }
```

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

```
.border{ border-color:rgb(58, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6586, 0.3026, 0.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 51) }
```

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

```
.background{ background-color: rgb(58, 255,  
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