

Converting Colors

$Y_{xy}(72.5334, 0.2996, 0.5734)$

Have a look what the booklet for
Yxy(72.5334, 0.2996, 0.5734)
contains.

Yxy(72.5293, 0.2997, 0.5737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.5293, 0.2997, 0.5737)

Conversions

Conversions Part 1

Format	Color
Hex	33FF3A
RGB	51, 255, 58
RGB Percent	20%, 100%, 23%
CMY	0.8000, 0.0000, 0.7725
CMYK	0.80, 0.00, 0.77, 0.00
HSL	122°, 100%, 60%
HSV	122°, 80%, 100%
XYZ	37.8892, 72.5293, 16.0052
YIQ	171.5460, -58.3470, -104.5150

Conversions

Conversions Part 2

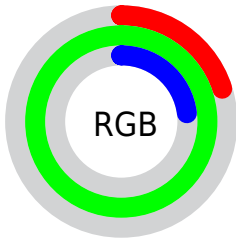
Format	Color
RYB	51, 248, 255
Decimal	3407674
CIELab	88.22, -81.25, 74.14
CIELCh	88, 109.996, 137.619
Yxy	72.5293, 0.2997, 0.5737
Android (android.graphics.Color)	4281597754 (0xFF33FF3A)
YUV	171.5460, -55.9782, -105.7188
Hunter-Lab	85.1641, -69.6233, 48.4723

Details

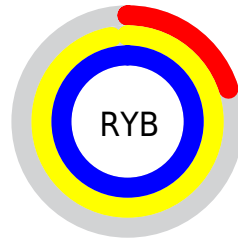
The Yxy color **72.5293, 0.2997, 0.5737** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.4058, 0.3274, 0.1677**, and the grayscale version is **41.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8385, 0.3116, 0.4973**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.8451, 0.2995, 0.5903**, and if you desaturate by 10%, it is **73.6962, 0.3004, 0.5490**.

Distribution



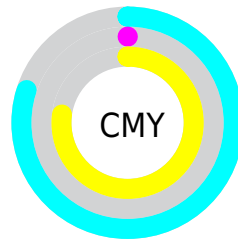
- Red (20%)
- Green (100%)
- Blue (23%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5293, 0.2997, 0.5737 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 72.5293, 0.2997, 0.5737 by changing the saturation by 10% instead.


 72.5293, 0.2997,
0.5737


 72.5293, 0.2997,
0.5737


469.3818, 0.3161,
0.4517


 53.5912, 0.2928,
0.6019

 122.8088, 0.3078,
0.5307


 38.2749, 0.2827,
0.6361


 154.9189, 0.3103,
0.5140

 26.1961, 0.2674,
0.6777

 192.1884, 0.3121,
0.4998

 16.9704, 0.2442,
0.7287

 235.0018, 0.3134,
0.4875

 10.2134, 0.2088,
0.7912

 283.7435, 0.3144,
0.4768

 5.5407, 0.1522,
0.8478

338.7978, 0.3151,

 2.5679, 0.0000,

0.4674

1.0000

400.5491, 0.3157,
0.4591

■ 0.9105, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.5293, 0.2997,
0.5737

■ 72.5293, 0.2997,
0.5737

■ 71.8451, 0.2995,
0.5903

■ 73.6962, 0.3004,
0.5490


■ 71.5392, 0.2996,
0.5986


■ 75.4122, 0.3017,
0.5181


■ 71.5392, 0.2996,
0.5986

■ 77.7338, 0.3033,
0.4837

■ 80.7106, 0.3052,
0.4484

 84.3868, 0.3072,
0.4142

 88.8030, 0.3091,
0.3825

 93.9964, 0.3110,
0.3540

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.



72.5293, 0.4115, 0.5455



72.5293, 0.2997, 0.5737



72.5293, 0.1963, 0.4689

Triad

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



72.5293, 0.2997, 0.5737



72.5293, 0.1293, 0.1600



72.5293, 0.5288, 0.2966

Complementary

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



72.5293, 0.2997, 0.5737



30.4058, 0.3274, 0.1677

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.



72.5293, 0.4125, 0.2281



72.5293, 0.2997, 0.5737



72.5293, 0.1812, 0.1538

Square

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



72.5293, 0.2997, 0.5737



72.5293, 0.1132, 0.2046



72.5293, 0.2778, 0.1775



72.5293, 0.5604, 0.3729

Rectangle

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



72.5293, 0.2997, 0.5737



72.5293, 0.1480, 0.3586



72.5293, 0.2778, 0.1775



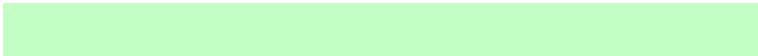
72.5293, 0.4972, 0.2726

Sweetspot

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



72.5296, 0.2997, 0.5737



86.9438, 0.3084, 0.3948



91.7522, 0.4089, 0.4993



18.2774, 0.3077, 0.4062



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.



72.5296, 0.2997, 0.5737



71.6315, 0.2996, 0.5961



74.7552, 0.2657, 0.4572



20.1783, 0.3111, 0.3527



37.3851, 0.2994, 0.5979



3.6435, 0.2981, 0.5930

Inverse Universe

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



30.4058, 0.3274, 0.1677



28.1723, 0.3294, 0.1598



25.7101, 0.4621, 0.2494



18.2890, 0.3143, 0.3064



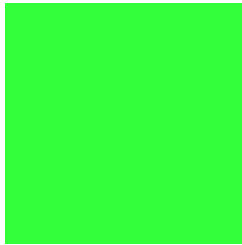
14.5985, 0.3297, 0.1590



1.4246, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 72.5293, 0.2997, 0.5737 looks on a white background.

Color Contrast Check

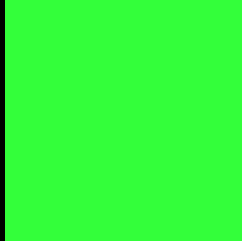
Large Text (above 18pt) WCAG AA × Fail

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 72.5293, 0.2997, 0.5737 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 72.5293, 0.2997, 0.5737

Background



This preview shows how black text looks on a background with the Yxy color 72.5293, 0.2997, 0.5737.

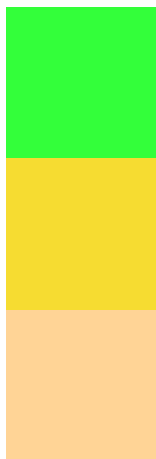


This preview shows how white text looks on a background with the Yxy color 72.5293, 0.2997, 0.5737.

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

72.5293, 0.2997, 0.5737

Protanopia

71.0010, 0.4323, 0.4785

Deuteranopia

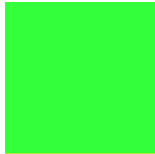
70.5490, 0.3914, 0.3928



Tritanopia

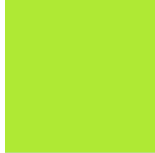
71.9993, 0.2414, 0.3077

Trichromacy



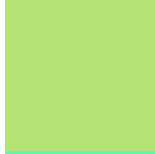
Original Color

72.5293, 0.2997, 0.5737



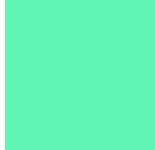
Protanomaly

67.6397, 0.3681, 0.5248



Deuteranomaly

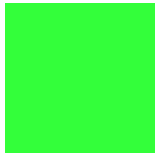
66.5949, 0.3481, 0.4636



Tritanomaly

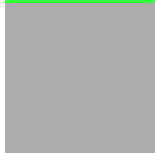
70.6617, 0.2656, 0.4096

Monochromacy



Original Color

72.5293, 0.2997, 0.5737



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.4689, 0.3057, 0.4342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5293, 0.2997, 0.5737 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(51, 255, 58)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 58)  
}
```

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(51, 255, 58) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 72.5293, 0.2997, 0.5737 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(51, 255, 58) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 72.5293, 0.2997, 0.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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