

Converting Colors

$Yxy(72.6734, 0.2942, 0.5581)$

Have a look what the booklet for
Yxy(72.6734, 0.2942, 0.5581)
contains.

Yxy(72.6744, 0.2942, 0.5582)	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(72.6744, 0.2942, 0.5582)

Conversions

Conversions Part 1

Format	Color
Hex	2FFF4E
RGB	47, 255, 78
RGB Percent	18%, 100%, 31%
CMY	0.8162, 0.0000, 0.6941
CMYK	0.82, 0.00, 0.69, 0.00
HSL	129°, 100%, 59%
HSV	129°, 82%, 100%
XYZ	38.3031, 72.6744, 19.2167
YIQ	172.6300, -67.1510, -99.1430

Conversions

Conversions Part 2

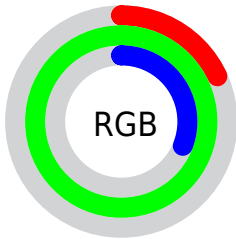
Format	Color
RYB	47, 228, 255
Decimal	3145550
CIELab	88.29, -80.22, 67.63
CIELCh	88, 104.920, 139.866
Yxy	72.6744, 0.2942, 0.5582
Android (android.graphics.Color)	4281335630 (0xFF2FFF4E)
YUV	172.6300, -46.6526, -110.1775
Hunter-Lab	85.2493, -68.9849, 46.3095

Details

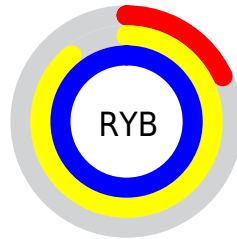
The Yxy color **72.6744, 0.2942, 0.5582** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.6577, 0.3539, 0.1821**, and the grayscale version is **41.8385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0151, 0.3032, 0.4794**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.9722, 0.2956, 0.5781**, and if you desaturate by 10%, it is **73.8263, 0.2939, 0.5325**.

Distribution



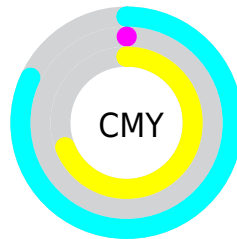
- Red (18%)
- Green (100%)
- Blue (31%)



- Red (18%)
- Yellow (89%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6744, 0.2942, 0.5582 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 72.6744, 0.2942, 0.5582 by changing the saturation by 10% instead.


 72.6744, 0.2942,
0.5582


 72.6744, 0.2942,
0.5582


469.8856, 0.3114,
0.4432


 53.7098, 0.2877,
0.5854


 123.0149, 0.3022,
0.5172


 38.3697, 0.2783,
0.6188


 155.1595, 0.3047,
0.5015

 26.2697, 0.2642,
0.6602


 192.4662, 0.3066,
0.4882

 17.0255, 0.2426,
0.7115

 235.3195, 0.3081,
0.4766

 10.2527, 0.2125,
0.7875

284.1037, 0.3092,
0.4666

 5.5668, 0.1563,
0.8437


339.2031, 0.3101,


 2.5835, 0.0000,

0.4579

1.0000

401.0023, 0.3109,
0.4501

 0.9184, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 72.6744, 0.2942,
0.5582

 72.6744, 0.2942,
0.5582


 71.9722, 0.2956,
0.5781


 73.8263, 0.2939,
0.5325


 71.6609, 0.2971,
0.5896


 75.4995, 0.2946,
0.5026


 77.7437, 0.2964,
0.4708

 80.6053, 0.2989,
0.4389

 84.1255, 0.3020,
0.4084

 88.3421, 0.3053,
0.3802

 93.2901, 0.3088,
0.3548

 99.0021, 0.3122,
0.3324

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.



72.6744, 0.4027, 0.5429



72.6744, 0.2942, 0.5582



72.6744, 0.1956, 0.4502

Triad

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



72.6744, 0.2942, 0.5582



72.6744, 0.1377, 0.1643



72.6744, 0.5248, 0.3044

Complementary

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



72.6744, 0.2942, 0.5582



28.6577, 0.3539, 0.1821

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.



72.6744, 0.4181, 0.2366



72.6744, 0.2942, 0.5582



72.6744, 0.1915, 0.1603

Square

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



72.6744, 0.2942, 0.5582



72.6744, 0.1195, 0.2051



72.6744, 0.2884, 0.1854



72.6744, 0.5498, 0.3799

Rectangle

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



72.6744, 0.2942, 0.5582



72.6744, 0.1505, 0.3468



72.6744, 0.2884, 0.1854



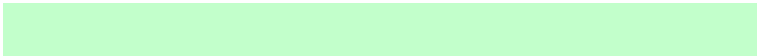
72.6744, 0.4964, 0.2807

Sweetspot

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



72.6715, 0.2942, 0.5582



87.2725, 0.3045, 0.3867



88.0958, 0.3950, 0.5115



18.3539, 0.3033, 0.3966



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.



72.6715, 0.2942, 0.5582



71.7235, 0.2968, 0.5872



75.3634, 0.2572, 0.4305



20.2124, 0.3095, 0.3498



37.4575, 0.2966, 0.5877



3.6596, 0.2919, 0.5707

Inverse Universe

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



28.6577, 0.3539, 0.1821



26.4127, 0.3626, 0.1777



24.7178, 0.4998, 0.2695



18.2509, 0.3161, 0.3090



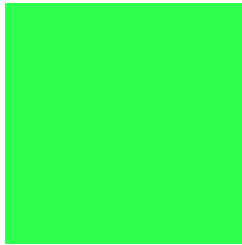
13.7403, 0.3628, 0.1772



1.3500, 0.3573, 0.1742

Previews

White Background



This preview shows how the Yxy color 72.6744, 0.2942, 0.5582 looks on a white background.

Color Contrast Check

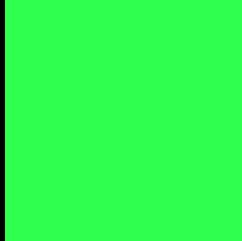
Large Text (above 18pt) WCAG AA × Fail

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 72.6744, 0.2942, 0.5582 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 72.6744, 0.2942, 0.5582

Background



This preview shows how black text looks on a background with the Yxy color 72.6744, 0.2942, 0.5582.

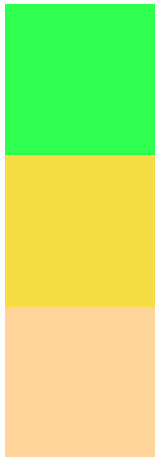


This preview shows how white text looks on a background with the Yxy color 72.6744, 0.2942, 0.5582.

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

72.6744, 0.2942, 0.5582

Protanopia

71.2089, 0.4259, 0.4689

Deuteranopia

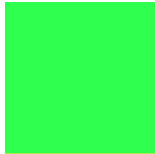
70.6469, 0.3892, 0.3898



Tritanopia

71.9993, 0.2414, 0.3077

Trichromacy



Original Color

72.6744, 0.2942, 0.5582



Protanomaly

67.7444, 0.3613, 0.5124



Deuteranomaly

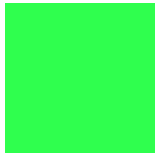
66.5769, 0.3417, 0.4541



Tritanomaly

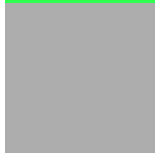
70.8959, 0.2612, 0.3985

Monochromacy



Original Color

72.6744, 0.2942, 0.5582



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.0589, 0.3006, 0.4250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6744, 0.2942, 0.5582 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(47, 255, 78)` looks like.

```
.text, #text, p{  
    color:rgb(47, 255, 78)  
}
```

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(47, 255, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 255, 78) }
```

Border

The CSS property to change the border of an element to Yxy 72.6744, 0.2942, 0.5582 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(47, 255, 78) }
```

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

```
.border{ border-color:rgb(47, 255, 78) }
```

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

Here you see how a box with a 4 pixel rgb(47, 255, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(47, 255,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6744, 0.2942, 0.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 255, 78) }
```

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

```
.background{ background-color: rgb(47, 255,  
78) }
```

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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