

Converting Colors

$Y_{xy}(72.8339, 0.2949, 0.5560)$

Have a look what the booklet for
Yxy(72.8339, 0.2949, 0.5560)
contains.

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Color

Yxy(72.8293, 0.2947, 0.5557)

Conversions

Conversions Part 1

Format	Color
Hex	34FF50
RGB	52, 255, 80
RGB Percent	20%, 100%, 31%
CMY	0.7961, 0.0000, 0.6863
CMYK	0.80, 0.00, 0.69, 0.00
HSL	128°, 100%, 60%
HSV	128°, 80%, 100%
XYZ	38.6230, 72.8293, 19.6064
YIQ	174.3530, -64.8130, -97.4610

Conversions

Conversions Part 2

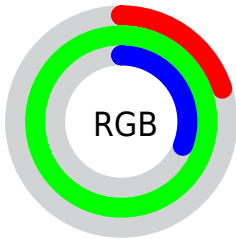
Format	Color
RYB	52, 230, 255
Decimal	3473232
CIELab	88.37, -79.51, 67.00
CIELCh	88, 103.977, 139.879
Yxy	72.8293, 0.2947, 0.5557
Android (android.graphics.Color)	4281663312 (0xFF34FF50)
YUV	174.3530, -46.5160, -107.3036
Hunter-Lab	85.3401, -68.5601, 46.1165

Details

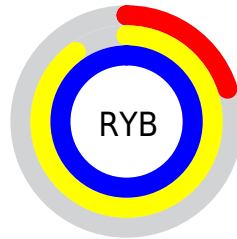
The Yxy color **72.8293, 0.2947, 0.5557** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **29.2616, 0.3500, 0.1818**, and the grayscale version is **42.7847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3127, 0.3038, 0.4763**, and **39.9369, 0.2998, 0.5994** is the 20% darker color. If you saturate the color by 10%, you get **72.0516, 0.2958, 0.5765**, and if you desaturate by 10%, it is **74.0768, 0.2947, 0.5290**.

Distribution



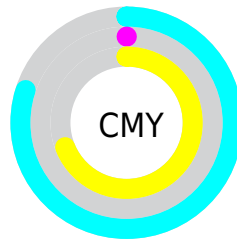
- Red (20%)
- Green (100%)
- Blue (31%)



- Red (20%)
- Yellow (90%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8293, 0.2947, 0.5557 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 72.8293, 0.2947, 0.5557 by changing the saturation by 10% instead.


 72.8293, 0.2947,
0.5557


 72.8293, 0.2947,
0.5557


470.4230, 0.3115,
0.4420


 53.8364, 0.2883,
0.5826


 123.2348, 0.3025,
0.5152

 38.4709, 0.2791,
0.6157


 155.4163, 0.3050,
0.4997

 26.3484, 0.2654,
0.6568

 192.7627, 0.3068,
0.4865

 17.0844, 0.2443,
0.7078

 235.6584, 0.3082,
0.4751

 10.2947, 0.2152,
0.7848

284.4880, 0.3094,
0.4652

 5.5948, 0.1593,
0.8407

339.6356, 0.3102,

 2.6003, 0.0000,

0.4565

1.0000

401.4858, 0.3109,
0.4488

0.9268, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.8293, 0.2947,
0.5557

72.8293, 0.2947,
0.5557

72.0516, 0.2958,
0.5765

74.0768, 0.2947,
0.5290

71.6538, 0.2974,
0.5905

75.8569, 0.2956,
0.4985

71.6423, 0.2975,
0.5909

78.2205, 0.2975,
0.4662

81.2131, 0.3001,
0.4341

 84.8756, 0.3031,
0.4036

 89.2454, 0.3063,
0.3755

 94.3572, 0.3096,
0.3504

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.



72.8293, 0.4025, 0.5414



72.8293, 0.2947, 0.5557



72.8293, 0.1967, 0.4489

Triad

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



72.8293, 0.2947, 0.5557



72.8293, 0.1389, 0.1655



72.8293, 0.5229, 0.3049

Complementary

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



72.8293, 0.2947, 0.5557



29.2616, 0.3500, 0.1818

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.



72.8293, 0.4173, 0.2373



72.8293, 0.2947, 0.5557



72.8293, 0.1925, 0.1614

Square

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



72.8293, 0.2947, 0.5557



72.8293, 0.1208, 0.2062



72.8293, 0.2888, 0.1865



72.8293, 0.5479, 0.3801

Rectangle

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



72.8293, 0.2947, 0.5557



72.8293, 0.1518, 0.3468



72.8293, 0.2888, 0.1865



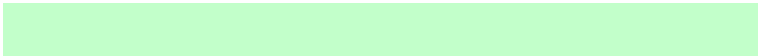
72.8293, 0.4948, 0.2813

Sweetspot

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



72.8287, 0.2947, 0.5557



87.2385, 0.3049, 0.3875



88.2507, 0.3945, 0.5093



18.3459, 0.3038, 0.3976



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.



72.8287, 0.2947, 0.5557



71.7673, 0.2968, 0.5862



75.5681, 0.2573, 0.4276



20.2089, 0.3097, 0.3501



37.4470, 0.2970, 0.5892



3.6579, 0.2925, 0.5729

Inverse Universe

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



29.2616, 0.3500, 0.1818



26.7151, 0.3581, 0.1757



25.2325, 0.4931, 0.2690



18.2547, 0.3159, 0.3088



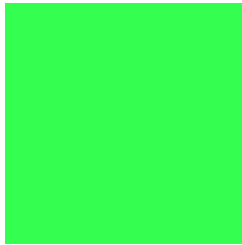
13.8211, 0.3592, 0.1752



1.3571, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 72.8293, 0.2947, 0.5557 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 72.8293, 0.2947, 0.5557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

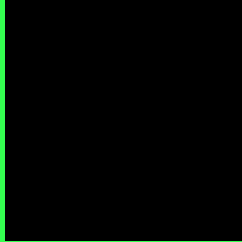
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8293, 0.2947, 0.5557

Background



This preview shows how black text looks on a background with the Yxy color 72.8293, 0.2947, 0.5557.

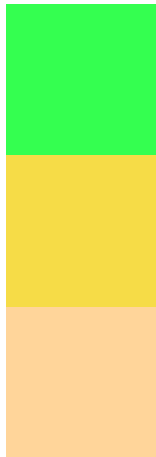


This preview shows how white text looks on a background with the Yxy color 72.8293, 0.2947, 0.5557.

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

72.8293, 0.2947, 0.5557

Protanopia

71.2342, 0.4251, 0.4678

Deuteranopia

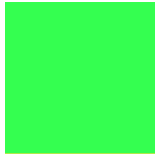
71.1816, 0.3880, 0.3898



Tritanopia

72.1483, 0.2422, 0.3077

Trichromacy



Original Color

72.8293, 0.2947, 0.5557



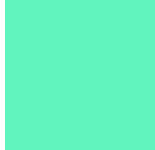
Protanomaly

67.8862, 0.3613, 0.5105



Deuteranomaly

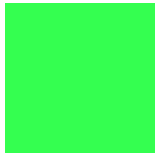
66.8429, 0.3426, 0.4523



Tritanomaly

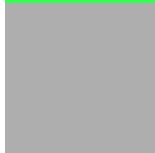
71.0596, 0.2623, 0.3983

Monochromacy



Original Color

72.8293, 0.2947, 0.5557



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.3511, 0.3014, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8293, 0.2947, 0.5557 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(52, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(52, 255, 80)  
}
```

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(52, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 80) }
```

Border

The CSS property to change the border of an element to Yxy 72.8293, 0.2947, 0.5557 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(52, 255, 80) }
```

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

```
.border{ border-color:rgb(52, 255, 80) }
```

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

Here you see how a box with a 4 pixel rgb(52, 255, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8293, 0.2947, 0.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 80) }
```

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

```
.background{ background-color: rgb(52, 255,  
80) }
```

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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