

Converting Colors

$Yxy(72.8864, 0.2930, 0.5506)$

Have a look what the booklet for
Yxy(72.8864, 0.2930, 0.5506)
contains.

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Color

Yxy(72.8797, 0.2931, 0.5510)

Conversions

Conversions Part 1

Format	Color
Hex	33FF55
RGB	51, 255, 85
RGB Percent	20%, 100%, 33%
CMY	0.7997, 0.0000, 0.6666
CMYK	0.80, 0.00, 0.67, 0.00
HSL	130°, 100%, 60%
HSV	130°, 80%, 100%
XYZ	38.7678, 72.8797, 20.6206
YIQ	174.6240, -67.0140, -96.1180

Conversions

Conversions Part 2

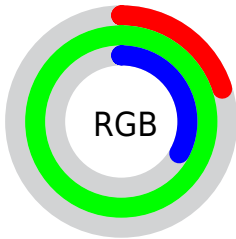
Format	Color
RYB	51, 226, 255
Decimal	3407701
CIELab	88.39, -79.15, 65.13
CIELCh	88, 102.503, 140.551
Yxy	72.8797, 0.2931, 0.5510
Android (android.graphics.Color)	4281597781 (0xFF33FF55)
YUV	174.6240, -44.1846, -108.4182
Hunter-Lab	85.3696, -68.3370, 45.4375

Details

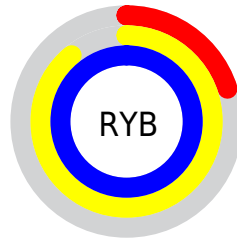
The Yxy color **72.8797, 0.2931, 0.5510** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.8567, 0.3570, 0.1857**, and the grayscale version is **42.9355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3486, 0.3015, 0.4717**, and **39.9762, 0.2984, 0.5942** is the 20% darker color. If you saturate the color by 10%, you get **72.1014, 0.2945, 0.5724**, and if you desaturate by 10%, it is **74.1261, 0.2929, 0.5244**.

Distribution



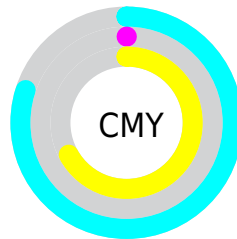
- Red (20%)
- Green (100%)
- Blue (33%)



- Red (20%)
- Yellow (89%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8797, 0.2931, 0.5510 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 72.8797, 0.2931, 0.5510 by changing the saturation by 10% instead.


 72.8797, 0.2931,
0.5510


 72.8797, 0.2931,
0.5510


470.5978, 0.3102,
0.4395


 53.8776, 0.2868,
0.5775


 123.3064, 0.3009,
0.5112

 38.5038, 0.2778,
0.6102


 155.4998, 0.3034,
0.4960

 26.3739, 0.2644,
0.6511


 192.8591, 0.3053,
0.4830

 17.1036, 0.2438,
0.7022

 235.7687, 0.3067,
0.4719

 10.3084, 0.2152,
0.7792

284.6130, 0.3079,
0.4622

 5.6039, 0.1608,
0.8392

339.7763, 0.3088,

 2.6058, 0.0011,

0.4537

0.9989

401.6431, 0.3096,
0.4462

■ 0.9296, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8797, 0.2931,
0.5510

■ 72.8797, 0.2931,
0.5510

■ 72.1014, 0.2945,
0.5724

■ 74.1261, 0.2929,
0.5244

■ 71.6913, 0.2965,
0.5874


■ 75.8948, 0.2938,
0.4943

■ 71.6904, 0.2965,
0.5874

■ 78.2387, 0.2958,
0.4628

■ 81.2025, 0.2986,
0.4316

 84.8267, 0.3018,
0.4020

 89.1480, 0.3054,
0.3749

 94.2006, 0.3091,
0.3505

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.



72.8797, 0.3999, 0.5403



72.8797, 0.2931, 0.5510



72.8797, 0.1965, 0.4437

Triad

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



72.8797, 0.2931, 0.5510



72.8797, 0.1414, 0.1668



72.8797, 0.5215, 0.3072

Complementary

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



72.8797, 0.2931, 0.5510



28.8567, 0.3570, 0.1857

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.



72.8797, 0.4187, 0.2398



72.8797, 0.2931, 0.5510



72.8797, 0.1956, 0.1633

Square

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



72.8797, 0.2931, 0.5510



72.8797, 0.1227, 0.2064



72.8797, 0.2918, 0.1888



72.8797, 0.5448, 0.3821

Rectangle

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



72.8797, 0.2931, 0.5510



72.8797, 0.1526, 0.3436



72.8797, 0.2918, 0.1888



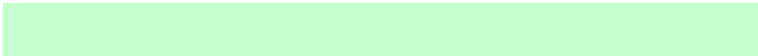
72.8797, 0.4944, 0.2837

Sweetspot

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



72.8817, 0.2931, 0.5510



87.3220, 0.3040, 0.3855



87.6725, 0.3922, 0.5115



18.3654, 0.3027, 0.3953



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.



72.8817, 0.2931, 0.5510



71.8244, 0.2957, 0.5822



75.6705, 0.2559, 0.4233



20.2175, 0.3093, 0.3494



37.4741, 0.2960, 0.5855



3.6619, 0.2910, 0.5675

Inverse Universe

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



28.8567, 0.3570, 0.1857



26.3491, 0.3668, 0.1806



25.0497, 0.4997, 0.2723



18.2454, 0.3164, 0.3094



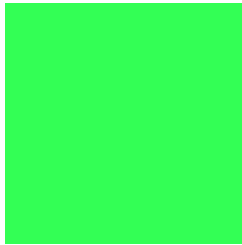
13.6263, 0.3682, 0.1802



1.3399, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 72.8797, 0.2931, 0.5510 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 72.8797, 0.2931, 0.5510 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 72.8797, 0.2931, 0.5510

Background



This preview shows how black text looks on a background with the Yxy color 72.8797, 0.2931, 0.5510.

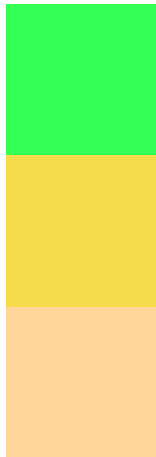


This preview shows how white text looks on a background with the Yxy color 72.8797, 0.2931, 0.5510.

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

72.8797, 0.2931, 0.5510

Protanopia

71.2872, 0.4236, 0.4655

Deuteranopia

71.1816, 0.3880, 0.3898



Tritanopia

72.1483, 0.2422, 0.3077

Trichromacy



Original Color

72.8797, 0.2931, 0.5510



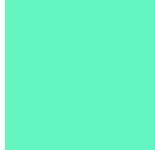
Protanomaly

67.9563, 0.3595, 0.5065



Deuteranomaly

66.8955, 0.3415, 0.4500



Tritanomaly

71.1483, 0.2614, 0.3956

Monochromacy



Original Color

72.8797, 0.2931, 0.5510



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.8846, 0.3001, 0.4195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8797, 0.2931, 0.5510 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 85) }
```

Border

The CSS property to change the border of an element to Yxy 72.8797, 0.2931, 0.5510 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, 85) }
```

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

```
.border{ border-color:rgb(51, 255, 85) }
```

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, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8797, 0.2931, 0.5510 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, 85) }
```

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

```
.background{ background-color: rgb(51, 255,  
85) }
```

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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