

Converting Colors

$Y_{xy}(91.2930, 0.3021, 0.5722)$

Have a look what the booklet for
Yxy(91.2930, 0.3021, 0.5722)
contains.

Yxy(73.1306, 0.3024, 0.5657)	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(73.1306, 0.3024, 0.5657)

Conversions

Conversions Part 1

Format	Color
Hex	44FF41
RGB	68, 255, 65
RGB Percent	27%, 100%, 25%
CMY	0.7337, 0.0000, 0.7452
CMYK	0.73, 0.00, 0.75, 0.00
HSL	119°, 100%, 63%
HSV	119°, 75%, 100%
XYZ	39.0926, 73.1306, 17.0513
YIQ	177.4270, -50.4620, -98.7340

Conversions

Conversions Part 2

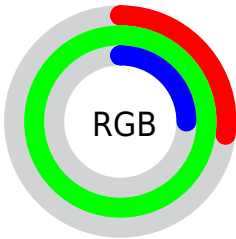
Format	Color
RYB	65, 255, 252
Decimal	4521793
CIELab	88.51, -78.63, 72.39
CIELCh	89, 106.880, 137.369
Yxy	73.1306, 0.3024, 0.5657
Android (android.graphics.Color)	4282711873 (0xFF44FF41)
YUV	177.4270, -55.4265, -95.9675
Hunter-Lab	85.5164, -68.0550, 48.0395

Details

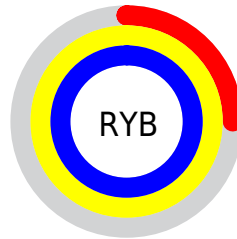
The Yxy color **73.1306, 0.3024, 0.5657** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **31.7052, 0.3174, 0.1674**, and the grayscale version is **44.5036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7260, 0.3142, 0.4893**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.1790, 0.3012, 0.5857**, and if you desaturate by 10%, it is **74.5943, 0.3038, 0.5378**.

Distribution



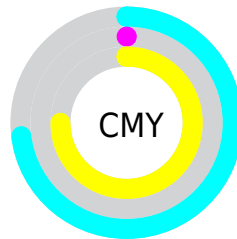
- Red (27%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (99%)



- Cyan (73%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1306, 0.3024, 0.5657 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 73.1306, 0.3024, 0.5657 by changing the saturation by 10% instead.

 73.1306, 0.3024,
0.5657


 73.1306, 0.3024,
0.5657


471.4673, 0.3169,
0.4480


 54.0828, 0.2962,
0.5930


 123.6626, 0.3097,
0.5241


 38.6678, 0.2869,
0.6262

 155.9155, 0.3119,
0.5081

 26.5014, 0.2729,
0.6667


 193.3390, 0.3134,
0.4943

 17.1991, 0.2511,
0.7161

 236.3173, 0.3146,
0.4825

 10.3766, 0.2187,
0.7813

 285.2349, 0.3154,
0.4722

 5.6493, 0.1634,
0.8366


340.4762, 0.3161,


 2.6331, 0.0105,


0.4631


0.9895


402.4255, 0.3165,
0.4551

 0.9433, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.1306, 0.3024,
0.5657

 73.1306, 0.3024,
0.5657


 72.1790, 0.3012,
0.5857


 74.5943, 0.3038,
0.5378

 71.6773, 0.3004,
0.5968

 76.6405, 0.3055,
0.5045

 71.5454, 0.3002,
0.5998

 79.3173, 0.3071,
0.4687

 82.6707, 0.3086,
0.4328

■ 86.7423, 0.3100,
0.3988

■ 91.5705, 0.3112,
0.3678

■ 97.1909, 0.3123,
0.3403

■ 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.



73.1306, 0.4118, 0.5401



73.1306, 0.3024, 0.5657



73.1306, 0.2007, 0.4653

Triad

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



73.1306, 0.3024, 0.5657



73.1306, 0.1329, 0.1641



73.1306, 0.5218, 0.2976

Complementary

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



73.1306, 0.3024, 0.5657



31.7052, 0.3174, 0.1674

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.



73.1306, 0.4086, 0.2301



73.1306, 0.3024, 0.5657



73.1306, 0.1838, 0.1575

Square

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



73.1306, 0.3024, 0.5657



73.1306, 0.1173, 0.2088



73.1306, 0.2781, 0.1805



73.1306, 0.5543, 0.3730

Rectangle

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



73.1306, 0.3024, 0.5657



73.1306, 0.1528, 0.3595



73.1306, 0.2781, 0.1805



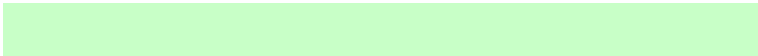
73.1306, 0.4908, 0.2739

Sweetspot

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



73.1271, 0.3024, 0.5657



87.8861, 0.3103, 0.3907



91.1573, 0.4123, 0.4884



18.5482, 0.3100, 0.3994



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.



73.1271, 0.3024, 0.5657



71.9041, 0.3008, 0.5918



75.0712, 0.2699, 0.4604



20.1815, 0.3118, 0.3536



37.3898, 0.3003, 0.5997



3.6450, 0.3011, 0.5991

Inverse Universe

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



31.7052, 0.3174, 0.1674



28.6540, 0.3173, 0.1556



27.6876, 0.4331, 0.2410



18.2852, 0.3136, 0.3056



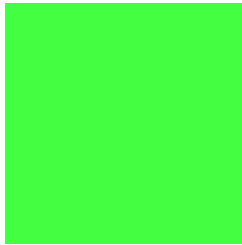
14.5016, 0.3171, 0.1520



1.4164, 0.3175, 0.1523

Previews

White Background



This preview shows how the Yxy color 73.1306, 0.3024, 0.5657 looks on a white background.

Color Contrast Check

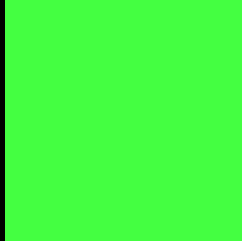
Large Text (above 18pt) WCAG AA × Fail

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 73.1306, 0.3024, 0.5657 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 73.1306, 0.3024, 0.5657

Background



This preview shows how black text looks on a background with the Yxy color 73.1306, 0.3024, 0.5657.

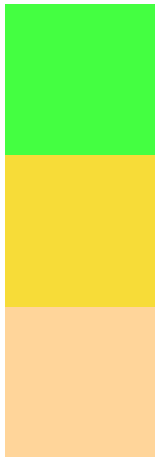


This preview shows how white text looks on a background with the Yxy color 73.1306, 0.3024, 0.5657.

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

73.1306, 0.3024, 0.5657

Protanopia

71.2461, 0.4311, 0.4750

Deuteranopia

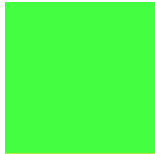
71.1816, 0.3880, 0.3898



Tritanopia

72.5342, 0.2442, 0.3078

Trichromacy



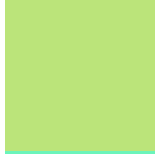
Original Color

73.1306, 0.3024, 0.5657



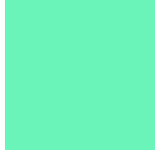
Protanomaly

68.5387, 0.3714, 0.5172



Deuteranomaly

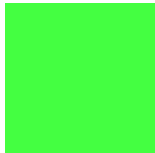
67.4567, 0.3499, 0.4561



Tritanomaly

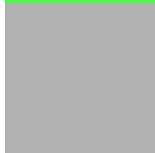
71.3723, 0.2680, 0.4046

Monochromacy



Original Color

73.1306, 0.3024, 0.5657



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7586, 0.3088, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1306, 0.3024, 0.5657 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(68, 255, 65)` looks like.

```
.text, #text, p{  
    color:rgb(68, 255, 65)  
}
```

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(68, 255, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 255, 65) }
```

Border

The CSS property to change the border of an element to Yxy 73.1306, 0.3024, 0.5657 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(68, 255, 65) }
```

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

```
.border{ border-color:rgb(68, 255, 65) }
```

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

Here you see how a box with a 4 pixel rgb(68, 255, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 255, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 255, 65);  
box-shadow:4px 4px 4px 4px rgb(68, 255,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1306, 0.3024, 0.5657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 255, 65) }
```

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

```
.background{ background-color: rgb(68, 255,  
65) }
```

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