

Converting Colors

$Y_{xy}(74.0638, 0.2979, 0.5361)$

Have a look what the booklet for
Yxy(74.0638, 0.2979, 0.5361)
contains.

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Color

Yxy(74.0517, 0.2978, 0.5361)

Conversions

Conversions Part 1

Format	Color
Hex	50FF5F
RGB	80, 255, 95
RGB Percent	31%, 100%, 37%
CMY	0.6861, 0.0000, 0.6276
CMYK	0.69, 0.00, 0.63, 0.00
HSL	125°, 100%, 66%
HSV	125°, 69%, 100%
XYZ	41.1352, 74.0517, 22.9435
YIQ	184.4350, -52.9400, -86.8600

Conversions

Conversions Part 2

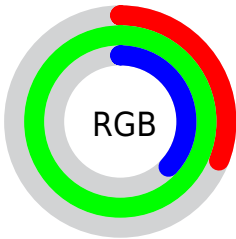
Format	Color
RYB	80, 241, 255
Decimal	5308255
CIELab	88.95, -74.15, 61.93
CIELCh	89, 96.611, 140.132
Yxy	74.0517, 0.2978, 0.5361
Android (android.graphics.Color)	4283498335 (0xFF50FF5F)
YUV	184.4350, -44.0915, -91.5895
Hunter-Lab	86.0533, -65.2666, 44.4295

Details

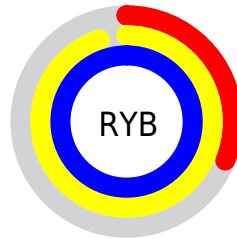
The Yxy color **74.0517, 0.2978, 0.5361** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle muted green. A complement of this color would be **33.2994, 0.3345, 0.1861**, and the grayscale version is **48.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1439, 0.3057, 0.4559**, and **40.0599, 0.2954, 0.5833** is the 20% darker color. If you saturate the color by 10%, you get **72.7827, 0.2974, 0.5627**, and if you desaturate by 10%, it is **75.8713, 0.2990, 0.5047**.

Distribution



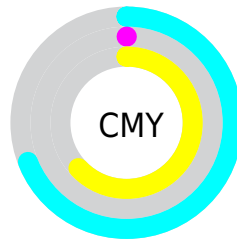
- Red (31%)
- Green (100%)
- Blue (37%)



- Red (31%)
- Yellow (95%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0517, 0.2978, 0.5361 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 74.0517, 0.2978, 0.5361 by changing the saturation by 10% instead.

 74.0517, 0.2978,
0.5361

 74.0517, 0.2978,
0.5361


474.6518, 0.3117,
0.4326

 54.8364, 0.2926,
0.5607


 124.9691, 0.3042,
0.4992


 39.2707, 0.2850,
0.5912


 157.4399, 0.3062,
0.4851

 26.9704, 0.2737,
0.6295


 195.0981, 0.3078,
0.4730

 17.5510, 0.2560,
0.6781

 238.3279, 0.3089,
0.4627

 10.6281, 0.2295,
0.7449

287.5137, 0.3099,
0.4537

 5.8174, 0.1827,
0.8173

343.0401, 0.3106,

 2.7343, 0.0629,

0.4458

0.9371

405.2913, 0.3112,
0.4388

■ 0.9947, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.0517, 0.2978,
0.5361

■ 74.0517, 0.2978,
0.5361

■ 72.7827, 0.2974,
0.5627

■ 75.8713, 0.2990,
0.5047

■ 71.9979, 0.2978,
0.5825


■ 78.2904, 0.3007,
0.4711


■ 71.6130, 0.2987,
0.5946

■ 81.3568, 0.3030,
0.4374

■ 71.5770, 0.2988,
0.5957

■ 85.1128, 0.3055,
0.4052

 89.5968, 0.3081,
0.3756

 94.8444, 0.3106,
0.3492

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.



74.0517, 0.3997, 0.5288



74.0517, 0.2978, 0.5361



74.0517, 0.2048, 0.4378

Triad

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



74.0517, 0.2978, 0.5361



74.0517, 0.1486, 0.1748



74.0517, 0.5081, 0.3090

Complementary

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



74.0517, 0.2978, 0.5361



33.2994, 0.3345, 0.1861

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.



74.0517, 0.4110, 0.2438



74.0517, 0.2978, 0.5361



74.0517, 0.2006, 0.1706

Square

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



74.0517, 0.2978, 0.5361



74.0517, 0.1311, 0.2145



74.0517, 0.2920, 0.1949



74.0517, 0.5330, 0.3816

Rectangle

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



74.0517, 0.2978, 0.5361



74.0517, 0.1618, 0.3456



74.0517, 0.2920, 0.1949



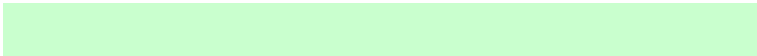
74.0517, 0.4821, 0.2861

Sweetspot

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



74.0531, 0.2978, 0.5361



88.4571, 0.3074, 0.3824



90.6987, 0.3957, 0.4897



18.6631, 0.3067, 0.3905



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.



74.0531, 0.2978, 0.5361



72.4657, 0.2975, 0.5703



76.6090, 0.2630, 0.4239



20.1933, 0.3104, 0.3514



37.4091, 0.2985, 0.5945



3.6506, 0.2952, 0.5829

Inverse Universe

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



33.2994, 0.3345, 0.1861



29.3300, 0.3389, 0.1728



29.3017, 0.4440, 0.2609



18.2721, 0.3151, 0.3075



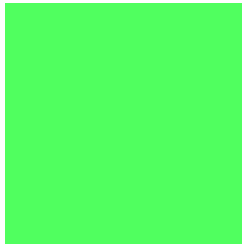
14.2014, 0.3437, 0.1667



1.3903, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 74.0517, 0.2978, 0.5361 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 74.0517, 0.2978, 0.5361 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 74.0517, 0.2978, 0.5361

Background



This preview shows how black text looks on a background with the Yxy color 74.0517, 0.2978, 0.5361.

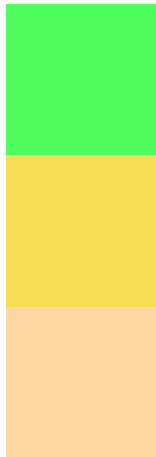


This preview shows how white text looks on a background with the Yxy color 74.0517, 0.2978, 0.5361.

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

74.0517, 0.2978, 0.5361

Protanopia

72.6726, 0.4187, 0.4602

Deuteranopia

72.4695, 0.3815, 0.3836



Tritanopia

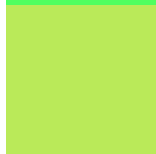
73.1916, 0.2475, 0.3080

Trichromacy



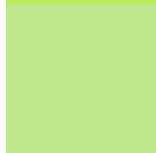
Original Color

74.0517, 0.2978, 0.5361



Protanomaly

70.0060, 0.3632, 0.4939



Deuteranomaly

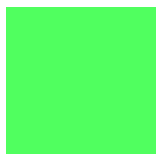
69.5050, 0.3431, 0.4386



Tritanomaly

72.5145, 0.2669, 0.3889

Monochromacy



Original Color

74.0517, 0.2978, 0.5361



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.4712, 0.3047, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0517, 0.2978, 0.5361 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(80, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 95)  
}
```

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(80, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 95) }
```

Border

The CSS property to change the border of an element to Yxy 74.0517, 0.2978, 0.5361 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(80, 255, 95) }
```

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

```
.border{ border-color:rgb(80, 255, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0517, 0.2978, 0.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 95) }
```

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

```
.background{ background-color: rgb(80, 255,  
95) }
```

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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