

Converting Colors

$Y_{xy}(74.0337, 0.2813, 0.5020)$

Have a look what the booklet for
Yxy(74.0337, 0.2813, 0.5020)
contains.

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Color

Yxy(74.0185, 0.2814, 0.5025)

Conversions

Conversions Part 1

Format	Color
Hex	3DFF7E
RGB	61, 255, 126
RGB Percent	24%, 100%, 49%
CMY	0.7607, 0.0000, 0.5060
CMYK	0.76, 0.00, 0.51, 0.00
HSL	140°, 100%, 62%
HSV	140°, 76%, 100%
XYZ	41.4504, 74.0185, 31.8316
YIQ	182.2880, -74.2150, -81.2470

Conversions

Conversions Part 2

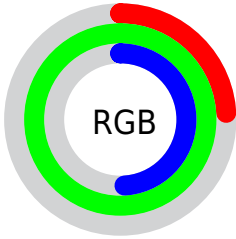
Format	Color
RYB	61, 206, 255
Decimal	4063102
CIELab	88.93, -73.12, 48.18
CIELCh	89, 87.565, 146.620
Yxy	74.0185, 0.2814, 0.5025
Android (android.graphics.Color)	4282253182 (0xFF3DFF7E)
YUV	182.2880, -27.7500, -106.3696
Hunter-Lab	86.0340, -64.5599, 38.2872

Details

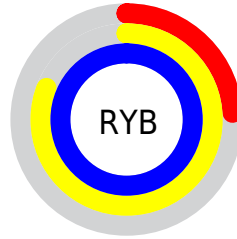
The Yxy color **74.0185, 0.2814, 0.5025** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **28.3213, 0.3956, 0.2146**, and the grayscale version is **47.1328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0904, 0.2846, 0.4201**, and **40.4135, 0.2839, 0.5420** is the 20% darker color. If you saturate the color by 10%, you get **72.9912, 0.2828, 0.5262**, and if you desaturate by 10%, it is **75.5052, 0.2818, 0.4770**.

Distribution



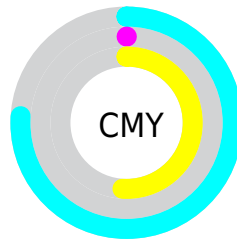
- Red (24%)
- Green (100%)
- Blue (49%)



- Red (24%)
- Yellow (81%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0185, 0.2814, 0.5025 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 74.0185, 0.2814, 0.5025 by changing the saturation by 10% instead.


 74.0185, 0.2814,
0.5025

 74.0185, 0.2814,
0.5025


474.5372, 0.3004,
0.4153

 54.8092, 0.2758,
0.5238


 124.9220, 0.2890,
0.4710


 39.2490, 0.2682,
0.5506


 157.3850, 0.2916,
0.4591

 26.9535, 0.2576,
0.5853


 195.0347, 0.2938,
0.4490

 17.5383, 0.2418,
0.6311

 238.2555, 0.2956,
0.4404

 10.6190, 0.2175,
0.6930

287.4317, 0.2971,
0.4329

 5.8113, 0.1834,
0.8002


342.9478, 0.2984,

 2.7307, 0.0705,


0.4263


0.9295


405.1882, 0.2994,
0.4205


 0.9928, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.0185, 0.2814,
0.5025


 74.0185, 0.2814,
0.5025


 72.9912, 0.2828,
0.5262

 75.5052, 0.2818,
0.4770

 72.3584, 0.2859,
0.5470


 77.5015, 0.2838,
0.4509

 72.1819, 0.2873,
0.5543


 80.0524, 0.2873,
0.4252

 83.1973, 0.2919,
0.4008

 86.9718, 0.2972,
0.3781

 91.4088, 0.3030,
0.3575

 96.5388, 0.3090,
0.3391

 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.



74.0185, 0.3765, 0.5201



74.0185, 0.2814, 0.5025



74.0185, 0.1998, 0.4004

Triad

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



74.0185, 0.2814, 0.5025



74.0185, 0.1679, 0.1828



74.0185, 0.5019, 0.3271

Complementary

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



74.0185, 0.2814, 0.5025



28.3213, 0.3956, 0.2146

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.



74.0185, 0.4250, 0.2632



74.0185, 0.2814, 0.5025



74.0185, 0.2250, 0.1844

Square

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



74.0185, 0.2814, 0.5025



74.0185, 0.1445, 0.2131



74.0185, 0.3170, 0.2127



74.0185, 0.5114, 0.3971

Rectangle

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



74.0185, 0.2814, 0.5025



74.0185, 0.1646, 0.3205



74.0185, 0.3170, 0.2127



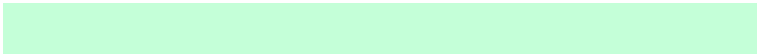
74.0185, 0.4828, 0.3049

Sweetspot

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



74.0189, 0.2814, 0.5025



88.2599, 0.2990, 0.3716



82.8489, 0.3663, 0.5239



18.5677, 0.2969, 0.3793



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.



74.0189, 0.2814, 0.5025



72.6342, 0.2842, 0.5369



77.8232, 0.2419, 0.3694



20.2685, 0.3070, 0.3452



37.7413, 0.2865, 0.5513



3.6941, 0.2802, 0.5286

Inverse Universe

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



28.3213, 0.3956, 0.2146



25.0574, 0.4176, 0.2114



25.3978, 0.5392, 0.3050



18.1909, 0.3190, 0.3133



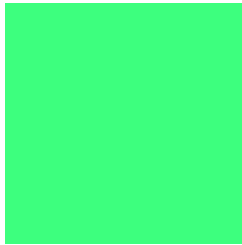
12.6468, 0.4283, 0.2133



1.2517, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 74.0185, 0.2814, 0.5025 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 74.0185, 0.2814, 0.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

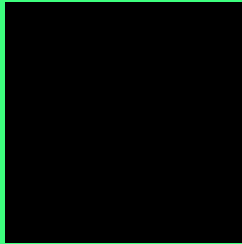
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0185, 0.2814, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 74.0185, 0.2814, 0.5025.

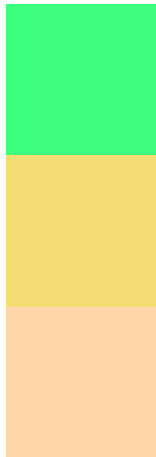


This preview shows how white text looks on a background with the Yxy color 74.0185, 0.2814, 0.5025.

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

74.0185, 0.2814, 0.5025

Protanopia

72.1609, 0.4019, 0.4381

Deuteranopia

72.1432, 0.3782, 0.3776



Tritanopia

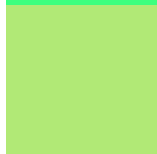
73.4374, 0.2460, 0.3091

Trichromacy



Original Color

74.0185, 0.2814, 0.5025



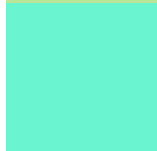
Protanomaly

68.9329, 0.3432, 0.4681



Deuteranomaly

68.4960, 0.3298, 0.4227



Tritanomaly

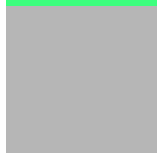
72.3812, 0.2578, 0.3746

Monochromacy



Original Color

74.0185, 0.2814, 0.5025



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.6128, 0.2930, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0185, 0.2814, 0.5025 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(61, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 126)  
}
```

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(61, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 74.0185, 0.2814, 0.5025 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(61, 255, 126) }
```

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

```
.border{ border-color:rgb(61, 255, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0185, 0.2814, 0.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 126) }
```

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

```
.background{ background-color: rgb(61, 255,  
126) }
```

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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