

Converting Colors

$Yxy(77.0906, 0.2942, 0.4978)$

Have a look what the booklet for
Yxy(77.0906, 0.2942, 0.4978)
contains.

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Color

Yxy(75.7931, 0.2940, 0.4964)

Conversions

Conversions Part 1

Format	Color
Hex	65FF7E
RGB	101, 255, 126
RGB Percent	40%, 100%, 49%
CMY	0.6041, 0.0000, 0.5059
CMYK	0.60, 0.00, 0.51, 0.00
HSL	130°, 100%, 70%
HSV	130°, 60%, 100%
XYZ	44.8895, 75.7931, 32.0029
YIQ	194.2480, -50.3750, -72.7670

Conversions

Conversions Part 2

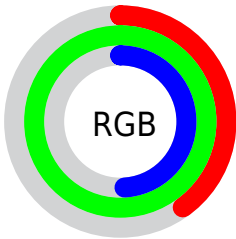
Format	Color
RYB	101, 233, 255
Decimal	6684542
CIELab	89.76, -66.50, 49.37
CIELCh	90, 82.823, 143.406
Yxy	75.7931, 0.2940, 0.4964
Android (android.graphics.Color)	4284874622 (0xFF65FF7E)
YUV	194.2480, -33.6463, -81.7785
Hunter-Lab	87.0592, -60.3154, 39.1465

Details

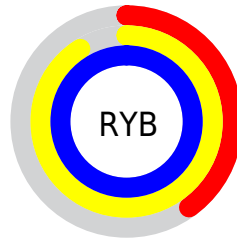
The Yxy color **75.7931, 0.2940, 0.4964** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.2707, 0.3436, 0.2071**, and the grayscale version is **54.3216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7487, 0.2990, 0.4164**, and **40.4264, 0.2841, 0.5418** is the 20% darker color. If you saturate the color by 10%, you get **74.0473, 0.2931, 0.5264**, and if you desaturate by 10%, it is **78.1087, 0.2959, 0.4648**.

Distribution



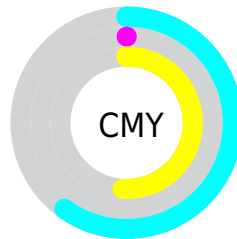
- Red (40%)
- Green (100%)
- Blue (49%)



- Red (40%)
- Yellow (91%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7931, 0.2940, 0.4964 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 75.7931, 0.2940, 0.4964 by changing the saturation by 10% instead.


 75.7931, 0.2940,
0.4964


 75.7931, 0.2940,
0.4964


480.6391, 0.3070,
0.4131

 56.2629, 0.2898,
0.5165


 127.4344, 0.2995,
0.4666

 40.4137, 0.2840,
0.5417


 160.3143, 0.3013,
0.4552

 27.8613, 0.2756,
0.5740


 198.4128, 0.3028,
0.4456

 18.2211, 0.2627,
0.6165

242.1144, 0.3039,
0.4372

 11.1088, 0.2422,
0.6734

291.8034, 0.3049,
0.4300

 6.1401, 0.2131,
0.7698


347.8643, 0.3057,

 2.9305, 0.1347,


0.4237


0.8653


410.6814, 0.3064,
0.4181


 1.0955, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7931, 0.2940,
0.4964


 75.7931, 0.2940,
0.4964


 74.0473, 0.2931,
0.5264


 78.1087, 0.2959,
0.4648


 72.8263, 0.2934,
0.5528


 81.0455, 0.2986,
0.4335

 72.0671, 0.2947,
0.5738

 84.6421, 0.3019,
0.4036

 71.6833, 0.2967,
0.5879

 88.9355, 0.3054,
0.3762

 93.9600, 0.3090,
0.3516

99.7477, 0.3126,
0.3298

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.



75.7931, 0.3844, 0.5063



75.7931, 0.2940, 0.4964



75.7931, 0.2135, 0.4081

Triad

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



75.7931, 0.2940, 0.4964



75.7931, 0.1709, 0.1916



75.7931, 0.4855, 0.3217

Complementary

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



75.7931, 0.2940, 0.4964



36.2707, 0.3436, 0.2071

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.



75.7931, 0.4080, 0.2610



75.7931, 0.2940, 0.4964



75.7931, 0.2224, 0.1898

Square

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



75.7931, 0.2940, 0.4964



75.7931, 0.1517, 0.2252



75.7931, 0.3066, 0.2144



75.7931, 0.5029, 0.3886

Rectangle

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



75.7931, 0.2940, 0.4964



75.7931, 0.1767, 0.3333



75.7931, 0.3066, 0.2144



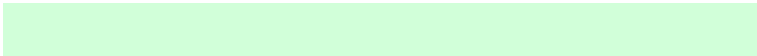
75.7931, 0.4653, 0.3004

Sweetspot

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



75.7910, 0.2940, 0.4964



90.0769, 0.3062, 0.3700



89.5970, 0.3820, 0.4797



18.9860, 0.3052, 0.3775



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.



75.7910, 0.2940, 0.4964



73.8193, 0.2931, 0.5309



78.5056, 0.2611, 0.3966



20.2163, 0.3093, 0.3495



37.4702, 0.2961, 0.5860



3.6614, 0.2912, 0.5683

Inverse Universe

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



36.2707, 0.3436, 0.2071



31.2620, 0.3510, 0.1921



32.9223, 0.4342, 0.2760



18.2466, 0.3163, 0.3093



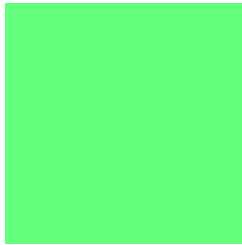
13.6524, 0.3669, 0.1795



1.3422, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 75.7931, 0.2940, 0.4964 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 75.7931, 0.2940, 0.4964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

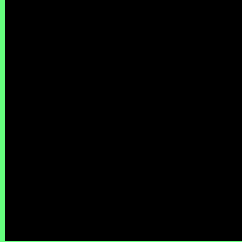
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7931, 0.2940, 0.4964

Background



This preview shows how black text looks on a background with the Yxy color 75.7931, 0.2940, 0.4964.

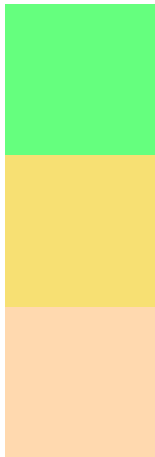


This preview shows how white text looks on a background with the Yxy color 75.7931, 0.2940, 0.4964.

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

75.7931, 0.2940, 0.4964

Protanopia

74.3233, 0.4020, 0.4387

Deuteranopia

73.9809, 0.3713, 0.3723



Tritanopia

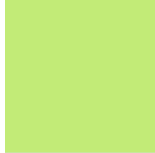
75.1414, 0.2544, 0.3095

Trichromacy



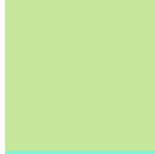
Original Color

75.7931, 0.2940, 0.4964



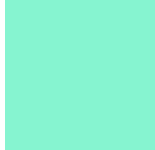
Protanomaly

72.2179, 0.3544, 0.4630



Deuteranomaly

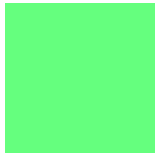
71.7283, 0.3372, 0.4155



Tritanomaly

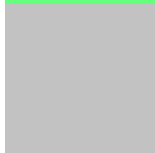
74.3238, 0.2691, 0.3733

Monochromacy



Original Color

75.7931, 0.2940, 0.4964



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4499, 0.3036, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7931, 0.2940, 0.4964 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(101, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 75.7931, 0.2940, 0.4964 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(101, 255, 126) }
```

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

```
.border{ border-color:rgb(101, 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(101, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 255, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 255, 126); box-shadow:4px 4px 4px 4px rgb(101, 255, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7931, 0.2940, 0.4964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 126) }
```

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

```
.background{ background-color: rgb(101,  
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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