

Converting Colors

$Yxy(77.0507, 0.2904, 0.4694)$

Have a look what the booklet for
Yxy(77.0507, 0.2904, 0.4694)
contains.

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Color

Yxy(77.1060, 0.2905, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	71FF92
RGB	113, 255, 146
RGB Percent	44%, 100%, 57%
CMY	0.5564, 0.0000, 0.4274
CMYK	0.56, 0.00, 0.43, 0.00
HSL	134°, 100%, 72%
HSV	134°, 56%, 100%
XYZ	47.7699, 77.1060, 39.5643
YIQ	200.1160, -49.6430, -64.0030

Conversions

Conversions Part 2

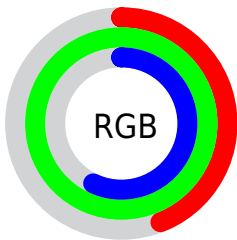
Format	Color
RYB	113, 228, 255
Decimal	7470994
CIELab	90.37, -60.96, 40.68
CIELCh	90, 73.285, 146.283
Yxy	77.1060, 0.2905, 0.4689
Android (android.graphics.Color)	4285661074 (0xFF71FF92)
YUV	200.1160, -26.6792, -76.4007
Hunter-Lab	87.8100, -56.5611, 34.7529

Details

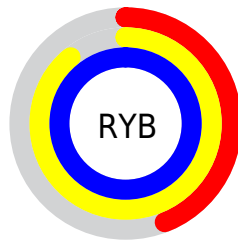
The Yxy color **77.1060, 0.2905, 0.4689** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.3732, 0.3506, 0.2229**, and the grayscale version is **58.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7357, 0.2942, 0.3909**, and **41.2329, 0.2814, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **75.0885, 0.2889, 0.4982**, and if you desaturate by 10%, it is **79.7094, 0.2933, 0.4395**.

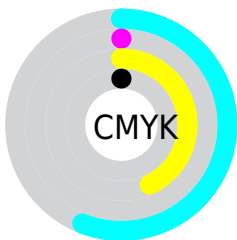
Distribution



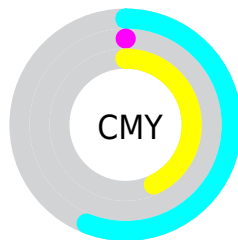
- Red (44%)
- Green (100%)
- Blue (57%)



- Red (44%)
- Yellow (89%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1060, 0.2905, 0.4689 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 77.1060, 0.2905, 0.4689 by changing the saturation by 10% instead.


 77.1060, 0.2905,
0.4689


 77.1060, 0.2905,
0.4689


485.1254, 0.3037,
0.3998


 57.3399, 0.2867,
0.4856


 129.2891, 0.2957,
0.4442

 41.2782, 0.2816,
0.5066

 162.4749, 0.2975,
0.4347

 28.5365, 0.2745,
0.5338


 200.9026, 0.2990,
0.4267

 18.7305, 0.2640,
0.5699

244.9568, 0.3003,
0.4199

 11.4757, 0.2476,
0.6197

295.0218, 0.3013,
0.4139

 6.3878, 0.2205,
0.6911


351.4819, 0.3022,


 3.0823, 0.1753,


0.4086


0.8247

414.7217, 0.3030,
0.4040


 1.1748, 0.0000,
1.0000

 0.0410, 0.0000,
1.0000


 77.1060, 0.2905,
0.4689


 77.1060, 0.2905,
0.4689


 75.0885, 0.2889,
0.4982

 79.7094, 0.2933,
0.4395

 73.6012, 0.2887,
0.5259


 82.9303, 0.2969,
0.4113

 72.5937, 0.2899,
0.5504

 86.8092, 0.3011,
0.3850

 72.0004, 0.2924,
0.5701

 91.3804, 0.3056,
0.3611

 71.8322, 0.2936,
0.5771

 96.6757, 0.3101,
0.3399

99.9951, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1060, 0.3719, 0.4877



77.1060, 0.2905, 0.4689



77.1060, 0.2195, 0.3890

Triad

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



77.1060, 0.2905, 0.4689



77.1060, 0.1880, 0.2040



77.1060, 0.4692, 0.3303

Complementary

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



77.1060, 0.2905, 0.4689



38.3732, 0.3506, 0.2229

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.



77.1060, 0.4051, 0.2734



77.1060, 0.2905, 0.4689



77.1060, 0.2384, 0.2043

Square

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



77.1060, 0.2905, 0.4689



77.1060, 0.1675, 0.2328



77.1060, 0.3164, 0.2289



77.1060, 0.4809, 0.3921

Rectangle

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



77.1060, 0.2905, 0.4689



77.1060, 0.1876, 0.3253



77.1060, 0.3164, 0.2289



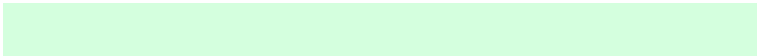
77.1060, 0.4528, 0.3105

Sweetspot

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



77.1092, 0.2905, 0.4689



90.7231, 0.3049, 0.3642



88.5975, 0.3715, 0.4731



19.2139, 0.3040, 0.3689



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.



77.1092, 0.2905, 0.4689



74.8612, 0.2888, 0.5021



79.9291, 0.2593, 0.3780



20.2372, 0.3084, 0.3478



37.5552, 0.2929, 0.5746



3.6725, 0.2872, 0.5540

Inverse Universe

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



38.3732, 0.3506, 0.2229



32.5499, 0.3611, 0.2072



35.4046, 0.4316, 0.2887



18.2241, 0.3174, 0.3109



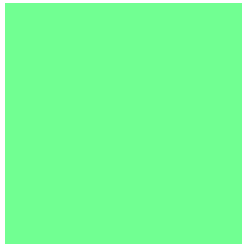
13.2123, 0.3901, 0.1923



1.3031, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 77.1060, 0.2905, 0.4689 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 77.1060, 0.2905, 0.4689 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 77.1060, 0.2905, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 77.1060, 0.2905, 0.4689.

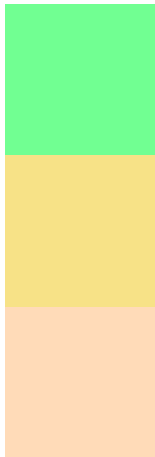


This preview shows how white text looks on a background with the Yxy color 77.1060, 0.2905, 0.4689.

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

77.1060, 0.2905, 0.4689

Protanopia

75.9161, 0.3891, 0.4224

Deuteranopia

75.3837, 0.3642, 0.3650



Tritanopia

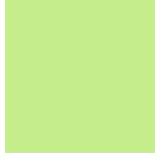
76.6344, 0.2589, 0.3109

Trichromacy



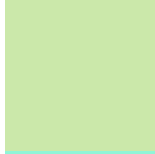
Original Color

77.1060, 0.2905, 0.4689



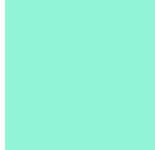
Protanomaly

74.4382, 0.3458, 0.4420



Deuteranomaly

73.3120, 0.3319, 0.4005



Tritanomaly

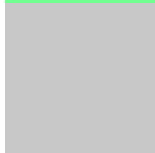
76.1404, 0.2705, 0.3651

Monochromacy



Original Color

77.1060, 0.2905, 0.4689



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8065, 0.3021, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1060, 0.2905, 0.4689 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(113, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(113, 255, 146)  
}
```

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(113, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 146) }
```

Border

The CSS property to change the border of an element to Yxy 77.1060, 0.2905, 0.4689 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(113, 255, 146) }
```

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

```
.border{ border-color:rgb(113, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 255, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 255, 146); box-shadow:4px 4px 4px 4px rgb(113, 255, 146) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1060, 0.2905, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 255, 146) }
```

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

```
.background{ background-color: rgb(113,  
255, 146) }
```

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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