

Converting Colors

$Y_{xy}(78.2420, 0.2995, 0.4695)$

Have a look what the booklet for
Yxy(78.2420, 0.2995, 0.4695)
contains.

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Color

Yxy(78.2490, 0.2996, 0.4696)

Conversions

Conversions Part 1

Format	Color
Hex	82FF8F
RGB	130, 255, 143
RGB Percent	51%, 100%, 56%
CMY	0.4902, 0.0000, 0.4392
CMYK	0.49, 0.00, 0.44, 0.00
HSL	126°, 100%, 75%
HSV	126°, 49%, 100%
XYZ	49.9221, 78.2490, 38.4580
YIQ	204.8570, -38.5480, -61.3320

Conversions

Conversions Part 2

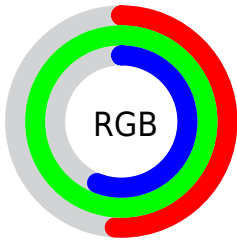
Format	Color
RYB	130, 243, 255
Decimal	8585103
CIELab	90.89, -57.33, 42.92
CIElCh	91, 71.618, 143.177
Yxy	78.2490, 0.2996, 0.4696
Android (android.graphics.Color)	4286775183 (0xFF82FF8F)
YUV	204.8570, -30.4955, -65.6496
Hunter-Lab	88.4585, -54.0648, 36.1442

Details

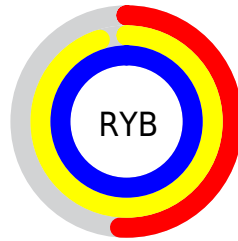
The Yxy color **78.2490, 0.2996, 0.4696** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **43.6318, 0.3298, 0.2205**, and the grayscale version is **61.1674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4160, 0.3044, 0.3929**, and **41.9168, 0.2925, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **75.8521, 0.2978, 0.5028**, and if you desaturate by 10%, it is **81.2844, 0.3020, 0.4364**.

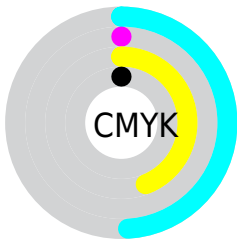
Distribution



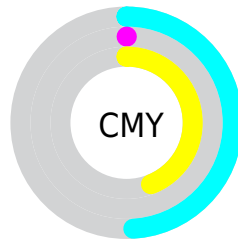
- Red (51%)
- Green (100%)
- Blue (56%)



- Red (51%)
- Yellow (95%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2490, 0.2996, 0.4696 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 78.2490, 0.2996, 0.4696 by changing the saturation by 10% instead.


 78.2490, 0.2996,
0.4696


 78.2490, 0.2996,
0.4696

489.0120, 0.3087,
0.4006


 58.2785, 0.2967,
0.4861


 130.9011, 0.3034,
0.4450

 42.0326, 0.2927,
0.5069


 164.3515, 0.3047,
0.4356

 29.1268, 0.2868,
0.5335

 203.0640, 0.3057,
0.4276

 19.1768, 0.2780,
0.5688

247.4230, 0.3065,
0.4207

 11.7981, 0.2637,
0.6168

297.8129, 0.3072,
0.4147

 6.6063, 0.2395,
0.6855


354.6182, 0.3078,


 3.2172, 0.1989,


0.4094


0.8011


418.2231, 0.3083,
0.4047


 1.2461, 0.0000,
1.0000


 0.0989, 0.0000,
1.0000


 78.2490, 0.2996,
0.4696

 78.2490, 0.2996,
0.4696


 75.8521, 0.2978,
0.5028


 81.2844, 0.3020,
0.4364


 74.0506, 0.2967,
0.5338

 85.0029, 0.3046,
0.4048

 72.7908, 0.2965,
0.5605

 89.4417, 0.3074,
0.3758

 72.0112, 0.2971,
0.5806

 94.6361, 0.3103,
0.3498

■ 71.6236, 0.2983,
0.5934

100.0000, 0.3127,
0.3290

■ 71.5970, 0.2984,
0.5942

Harmonies

Analogous

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



78.2490, 0.3789, 0.4818



78.2490, 0.2996, 0.4696



78.2490, 0.2281, 0.3969

Triad

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



78.2490, 0.2996, 0.4696



78.2490, 0.1874, 0.2085



78.2490, 0.4606, 0.3246

Complementary

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



78.2490, 0.2996, 0.4696



43.6318, 0.3298, 0.2205

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.



78.2490, 0.3942, 0.2696



78.2490, 0.2996, 0.4696



78.2490, 0.2338, 0.2058

Square

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



78.2490, 0.2996, 0.4696



78.2490, 0.1703, 0.2402



78.2490, 0.3077, 0.2277



78.2490, 0.4780, 0.3850

Rectangle

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



78.2490, 0.2996, 0.4696



78.2490, 0.1946, 0.3349



78.2490, 0.3077, 0.2277



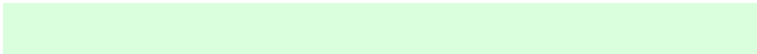
78.2490, 0.4429, 0.3053

Sweetspot

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



78.2480, 0.2996, 0.4696



91.4396, 0.3086, 0.3650



92.0970, 0.3762, 0.4525



19.3446, 0.3080, 0.3706



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.



78.2480, 0.2996, 0.4696



75.8573, 0.2978, 0.5027



80.6723, 0.2704, 0.3897



20.1989, 0.3101, 0.3510



37.4209, 0.2980, 0.5928



3.6532, 0.2942, 0.5792

Inverse Universe

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



43.6318, 0.3298, 0.2205



37.5237, 0.3339, 0.2025



40.5167, 0.3937, 0.2776



18.2659, 0.3154, 0.3080



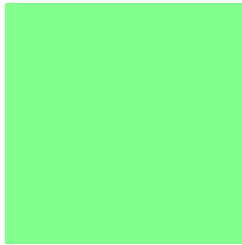
14.0621, 0.3491, 0.1697



1.3782, 0.3454, 0.1677

Previews

White Background



This preview shows how the Yxy color 78.2490, 0.2996, 0.4696 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 78.2490, 0.2996, 0.4696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

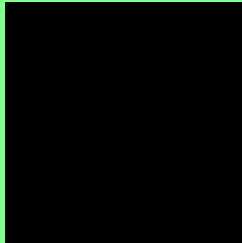
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2490, 0.2996, 0.4696

Background



This preview shows how black text looks on a background with the Yxy color 78.2490, 0.2996, 0.4696.



This preview shows how white text looks on a background with the Yxy color 78.2490, 0.2996, 0.4696.

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

78.2490, 0.2996, 0.4696

Protanopia

76.7714, 0.3914, 0.4246

Deuteranopia

77.1334, 0.3605, 0.3638



Tritanopia

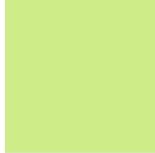
77.7237, 0.2639, 0.3112

Trichromacy



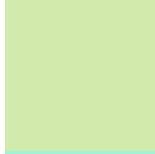
Original Color

78.2490, 0.2996, 0.4696



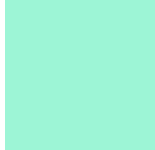
Protanomaly

75.4963, 0.3527, 0.4420



Deuteranomaly

75.5258, 0.3353, 0.3991



Tritanomaly

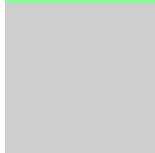
77.3280, 0.2776, 0.3657

Monochromacy



Original Color

78.2490, 0.2996, 0.4696



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6177, 0.3076, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2490, 0.2996, 0.4696 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(130, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 143)  
}
```

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(130, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 143) }
```

Border

The CSS property to change the border of an element to Yxy 78.2490, 0.2996, 0.4696 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(130, 255, 143) }
```

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

```
.border{ border-color:rgb(130, 255, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 255, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2490, 0.2996, 0.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 143) }
```

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

```
.background{ background-color: rgb(130,  
255, 143) }
```

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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