

Converting Colors

$Yxy(99.4834, 0.1943, 0.1719)$

Have a look what the booklet for
Yxy(99.4834, 0.1943, 0.1719)
contains.

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Color

Yxy(79.8525, 0.2530, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	92F7FF
RGB	146, 247, 255
RGB Percent	57%, 97%, 100%
CMY	0.4271, 0.0314, 0.0001
CMYK	0.43, 0.03, 0.00, 0.00
HSL	184°, 100%, 79%
HSV	184°, 43%, 100%
XYZ	63.1729, 79.8525, 106.6698
YIQ	217.7130, -62.7640, -18.9240

Conversions

Conversions Part 2

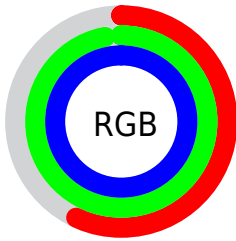
Format	Color
RYB	146, 198, 255
Decimal	9631743
CIELab	91.62, -27.52, -13.09
CIElCh	92, 30.477, 205.428
Yxy	79.8525, 0.2530, 0.3198
Android (android.graphics.Color)	4287821823 (0xFF92F7FF)
YUV	217.7130, 18.3825, -62.8923
Hunter-Lab	89.3602, -30.1905, -8.2226

Details

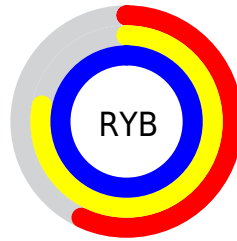
The Yxy color **79.8525, 0.2530, 0.3198** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.4689, 0.4214, 0.3377**, and the grayscale version is **69.8212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **42.9304, 0.2402, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **76.6344, 0.2425, 0.3173**, and if you desaturate by 10%, it is **83.6094, 0.2651, 0.3222**.

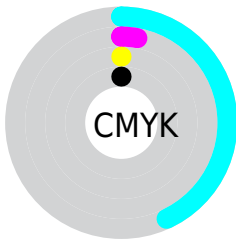
Distribution



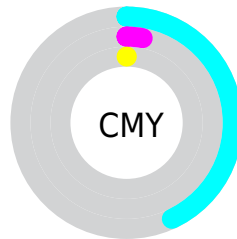
- Red (57%)
- Green (97%)
- Blue (100%)



- Red (57%)
- Yellow (78%)
- Blue (100%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8525, 0.2530, 0.3198 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 79.8525, 0.2530, 0.3198 by changing the saturation by 10% instead.

 79.8525, 0.2530,
0.3198

 79.8525, 0.2530,
0.3198

494.4356, 0.2796,
0.3246

 59.5970, 0.2472,
0.3186

 133.1583, 0.2620,
0.3216

 43.0939, 0.2401,
0.3170


 166.9774, 0.2656,
0.3222

 29.9588, 0.2314,
0.3149


206.0865, 0.2687,
0.3228

 19.8073, 0.2203,
0.3121

250.8700, 0.2714,
0.3233

 12.2550, 0.2058,
0.3080

301.7123, 0.2738,
0.3237

 6.9176, 0.1862,
0.3018

358.9977, 0.2759,

 3.4106, 0.1584,

0.3240

0.2912

423.1107, 0.2779,
0.3244

■ 1.3497, 0.1114,
0.2729

■ 0.1792, 0.0000,
0.1382

■ 79.8525, 0.2530,
0.3198

■ 79.8525, 0.2530,
0.3198

■ 76.6344, 0.2425,
0.3173

■ 83.6094, 0.2651,
0.3222

■ 73.9108, 0.2339,
0.3148

■ 87.9276, 0.2786,
0.3244

■ 71.6453, 0.2271,
0.3123

■ 92.8396, 0.2932,
0.3266

■ 69.7925, 0.2224,
0.3098

■ 98.3725, 0.3085,
0.3285

■ 68.2973, 0.2195,
0.3073

99.9985, 0.3127,
0.3290

■ 67.3732, 0.2182,
0.3055

Harmonies

Analogous

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



79.8525, 0.2748, 0.3543



79.8525, 0.2530, 0.3198



79.8525, 0.2465, 0.2906

Triad

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



79.8525, 0.2530, 0.3198



79.8525, 0.3148, 0.2828



79.8525, 0.3710, 0.3843

Complementary

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



79.8525, 0.2530, 0.3198



46.4689, 0.4214, 0.3377

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.



79.8525, 0.3837, 0.3617



79.8525, 0.2530, 0.3198



79.8525, 0.3503, 0.3047

Square

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



79.8525, 0.2530, 0.3198



79.8525, 0.2806, 0.2716



79.8525, 0.3761, 0.3329



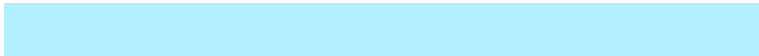
79.8525, 0.3428, 0.3929

Rectangle

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



79.8525, 0.2530, 0.3198



79.8525, 0.2512, 0.2778



79.8525, 0.3761, 0.3329



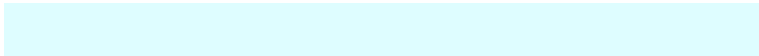
79.8525, 0.3773, 0.3779

Sweetspot

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



79.8556, 0.2530, 0.3198



92.7052, 0.2927, 0.3265



79.9356, 0.3030, 0.4536



19.6002, 0.2894, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

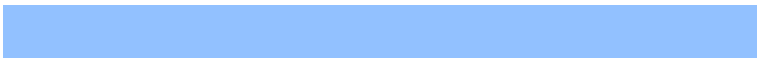
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8556, 0.2530, 0.3198



77.1635, 0.2442, 0.3178



51.5991, 0.2421, 0.2547



20.2400, 0.2980, 0.3272



35.3077, 0.2183, 0.3059



3.5031, 0.2191, 0.3087

Inverse Universe

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



48.5562, 0.3243, 0.2305



42.5357, 0.3269, 0.2135



68.3442, 0.3960, 0.3926



18.2760, 0.3149, 0.3073



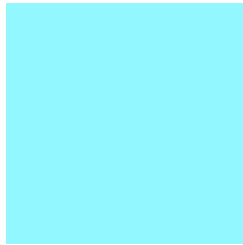
14.2923, 0.3403, 0.1648



1.3982, 0.3378, 0.1635

Previews

White Background



This preview shows how the Yxy color 79.8525, 0.2530, 0.3198 looks on a white background.

Color Contrast Check

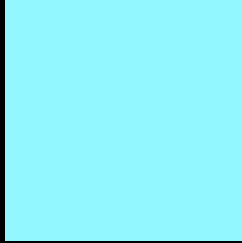
Large Text (above 18pt) WCAG AA × Fail

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 79.8525, 0.2530, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

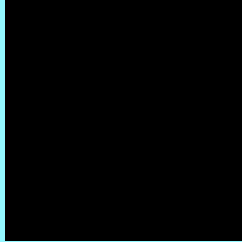
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8525, 0.2530, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 79.8525, 0.2530, 0.3198.

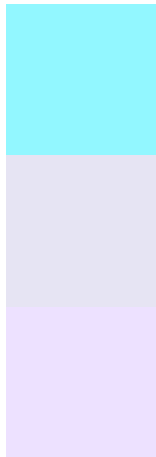


This preview shows how white text looks on a background with the Yxy color 79.8525, 0.2530, 0.3198.

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

79.8525, 0.2530, 0.3198

Protanopia

78.7809, 0.3046, 0.3135

Deuteranopia

79.0750, 0.3019, 0.2988



Tritanopia

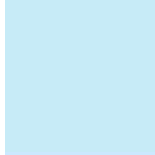
79.5956, 0.2673, 0.3135

Trichromacy



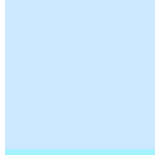
Original Color

79.8525, 0.2530, 0.3198



Protanomaly

78.2742, 0.2828, 0.3160



Deuteranomaly

78.3352, 0.2812, 0.3056



Tritanomaly

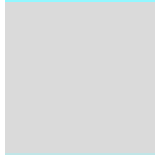
79.4282, 0.2615, 0.3155

Monochromacy



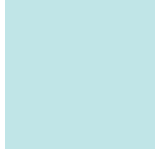
Original Color

79.8525, 0.2530, 0.3198



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.0146, 0.2872, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8525, 0.2530, 0.3198 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(146, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 247, 255)  
}
```

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(146, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.8525, 0.2530, 0.3198 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(146, 247, 255) }
```

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

```
.border{ border-color:rgb(146, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8525, 0.2530, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 247, 255) }
```

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

```
.background{ background-color: rgb(146,  
247, 255) }
```

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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