

Converting Colors

$Y_{xy}(100.0000, 0.1917, 0.1651)$

Have a look what the booklet for
Yxy(100.0000, 0.1917, 0.1651)
contains.

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Color

Yxy(78.5446, 0.2521, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	91F5FF
RGB	145, 245, 255
RGB Percent	57%, 96%, 100%
CMY	0.4317, 0.0391, 0.0000
CMYK	0.43, 0.04, 0.00, 0.00
HSL	185°, 100%, 78%
HSV	185°, 43%, 100%
XYZ	62.3656, 78.5446, 106.4743
YIQ	216.2400, -62.8100, -18.0900

Conversions

Conversions Part 2

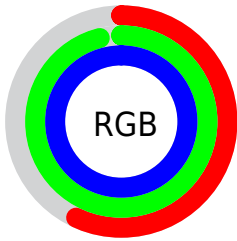
Format	Color
RYB	145, 197, 255
Decimal	9565695
CIELab	91.03, -26.84, -13.98
CIELCh	91, 30.268, 207.515
Yxy	78.5446, 0.2521, 0.3175
Android (android.graphics.Color)	4287755775 (0xFF91F5FF)
YUV	216.2400, 19.1087, -62.4775
Hunter-Lab	88.6254, -29.4841, -9.1931

Details

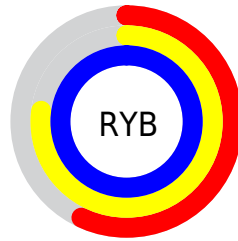
The Yxy color **78.5446, 0.2521, 0.3175** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7032, 0.4223, 0.3398**, and the grayscale version is **68.7281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **42.0221, 0.2391, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **75.0979, 0.2415, 0.3144**, and if you desaturate by 10%, it is **82.5345, 0.2643, 0.3205**.

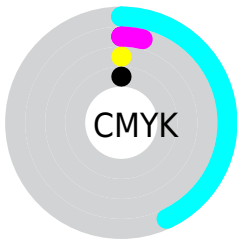
Distribution



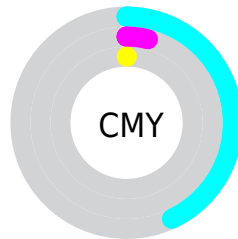
- Red (57%)
- Green (96%)
- Blue (100%)



- Red (57%)
- Yellow (77%)
- Blue (100%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5446, 0.2521, 0.3175 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 78.5446, 0.2521, 0.3175 by changing the saturation by 10% instead.


 78.5446, 0.2521,
0.3175


 78.5446, 0.2521,
0.3175


490.0144, 0.2792,
0.3234

 58.5215, 0.2462,
0.3160


 131.3176, 0.2613,
0.3197

 42.2280, 0.2390,
0.3142


 164.8362, 0.2649,
0.3205

 29.2799, 0.2300,
0.3117


203.6220, 0.2681,
0.3211

 19.2926, 0.2187,
0.3083

248.0596, 0.2708,
0.3217

 11.8819, 0.2039,
0.3035

298.5332, 0.2733,
0.3222

 6.6633, 0.1839,
0.2962

355.4273, 0.2755,

 3.2525, 0.1554,

0.3227

0.2841

419.1262, 0.2774,
0.3231

1.2649, 0.1053,
0.2637

0.1138, 0.0000,
0.0931

78.5446, 0.2521,
0.3175

78.5446, 0.2521,
0.3175

75.0979, 0.2415,
0.3144

82.5345, 0.2643,
0.3205

72.1500, 0.2327,
0.3113

87.0905, 0.2779,
0.3233

69.6643, 0.2259,
0.3081

92.2450, 0.2925,
0.3259

67.5949, 0.2210,
0.3050

98.0255, 0.3078,
0.3283

■ 65.8862, 0.2179,
0.3019

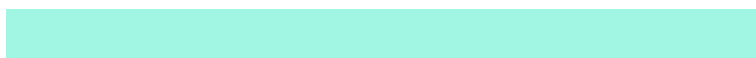
99.9996, 0.3127,
0.3290

■ 64.8717, 0.2166,
0.2998

Harmonies

Analogous

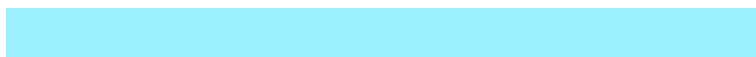
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5446, 0.2730, 0.3519



78.5446, 0.2521, 0.3175



78.5446, 0.2467, 0.2890

Triad

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



78.5446, 0.2521, 0.3175



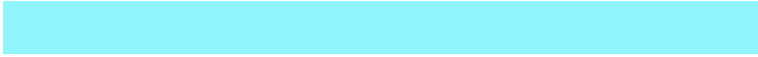
78.5446, 0.3174, 0.2841



78.5446, 0.3694, 0.3853

Complementary

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



78.5446, 0.2521, 0.3175



46.7032, 0.4223, 0.3398

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.



78.5446, 0.3833, 0.3635



78.5446, 0.2521, 0.3175



78.5446, 0.3525, 0.3065

Square

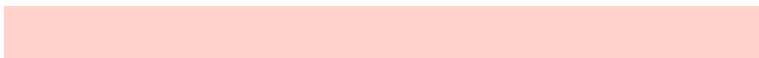
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5446, 0.2521, 0.3175



78.5446, 0.2828, 0.2720



78.5446, 0.3772, 0.3349



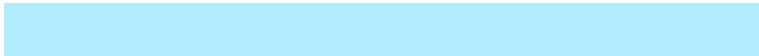
78.5446, 0.3404, 0.3928

Rectangle

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



78.5446, 0.2521, 0.3175



78.5446, 0.2522, 0.2769



78.5446, 0.3772, 0.3349



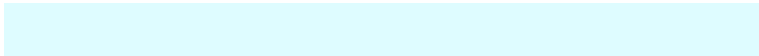
78.5446, 0.3761, 0.3793

Sweetspot

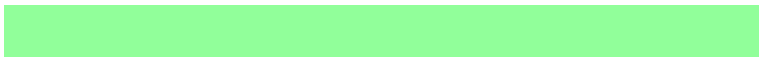
The Sweet Spot groups the original color and five complimentary colors.



78.5477, 0.2521, 0.3175



92.3446, 0.2927, 0.3259



79.8628, 0.3020, 0.4529



19.5102, 0.2894, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

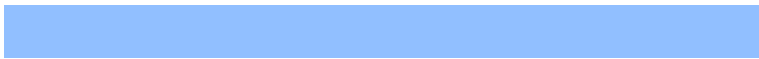
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5477, 0.2521, 0.3175



75.4801, 0.2426, 0.3148



50.3951, 0.2409, 0.2514



20.1834, 0.2980, 0.3268



34.0150, 0.2168, 0.3003



3.3909, 0.2177, 0.3038

Inverse Universe

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



48.0750, 0.3261, 0.2311



41.7478, 0.3293, 0.2134



68.9621, 0.3963, 0.3951



18.2703, 0.3152, 0.3077



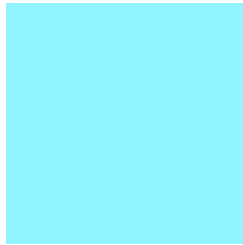
14.1618, 0.3452, 0.1675



1.3869, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 78.5446, 0.2521, 0.3175 looks on a white background.

Color Contrast Check

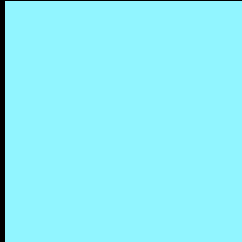
Large Text (above 18pt) WCAG AA × Fail

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 78.5446, 0.2521, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

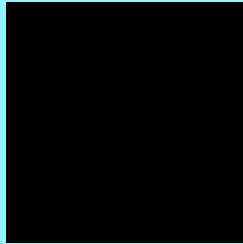
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5446, 0.2521, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 78.5446, 0.2521, 0.3175.

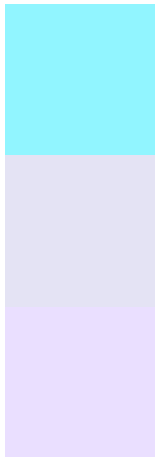


This preview shows how white text looks on a background with the Yxy color 78.5446, 0.2521, 0.3175.

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

78.5446, 0.2521, 0.3175

Protanopia

77.9638, 0.3027, 0.3114

Deuteranopia

77.4878, 0.2999, 0.2966



Tritanopia

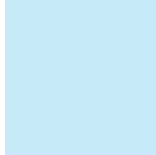
78.3108, 0.2641, 0.3123

Trichromacy



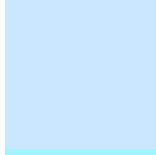
Original Color

78.5446, 0.2521, 0.3175



Protanomaly

77.6287, 0.2815, 0.3138



Deuteranomaly

76.9284, 0.2799, 0.3033



Tritanomaly

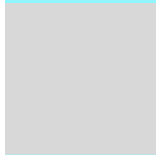
78.4056, 0.2594, 0.3143

Monochromacy



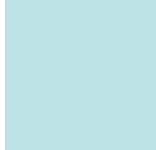
Original Color

78.5446, 0.2521, 0.3175



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.5985, 0.2864, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5446, 0.2521, 0.3175 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(145, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 245, 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(145, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.5446, 0.2521, 0.3175 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(145, 245, 255) }
```

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

```
.border{ border-color:rgb(145, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5446, 0.2521, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 245, 255) }
```

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

```
.background{ background-color: rgb(145,  
245, 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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