

Converting Colors

$Y_{xy}(79.9540, 0.2527, 0.3201)$

Have a look what the booklet for
Yxy(79.9540, 0.2527, 0.3201)
contains.

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Color

Yxy(79.7613, 0.2525, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	91F7FF
RGB	145, 247, 255
RGB Percent	57%, 97%, 100%
CMY	0.4317, 0.0313, 0.0000
CMYK	0.43, 0.03, 0.00, 0.00
HSL	184°, 100%, 78%
HSV	184°, 43%, 100%
XYZ	62.9760, 79.7613, 106.6726
YIQ	217.4140, -63.3600, -19.1360

Conversions

Conversions Part 2

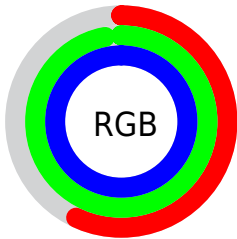
Format	Color
RYB	145, 198, 255
Decimal	9566207
CIELab	91.58, -27.80, -13.16
CIELCh	92, 30.758, 205.329
Yxy	79.7613, 0.2525, 0.3198
Android (android.graphics.Color)	4287756287 (0xFF91F7FF)
YUV	217.4140, 18.5299, -63.5071
Hunter-Lab	89.3092, -30.4225, -8.3007

Details

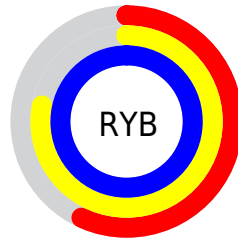
The Yxy color **79.7613, 0.2525, 0.3198** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0492, 0.4232, 0.3377**, and the grayscale version is **69.5799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **42.8826, 0.2398, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **76.5795, 0.2421, 0.3174**, and if you desaturate by 10%, it is **83.4801, 0.2645, 0.3222**.

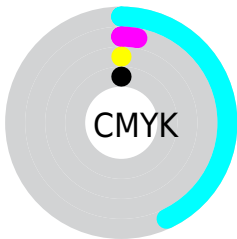
Distribution



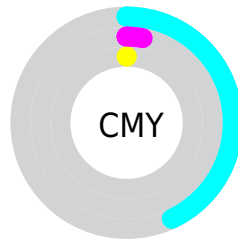
- Red (57%)
- Green (97%)
- Blue (100%)



- 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 79.7613, 0.2525, 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 79.7613, 0.2525, 0.3198 by changing the saturation by 10% instead.

 79.7613, 0.2525,
0.3198


 79.7613, 0.2525,
0.3198


494.1280, 0.2793,
0.3246

 59.5219, 0.2466,
0.3186


 133.0301, 0.2616,
0.3216

 43.0334, 0.2395,
0.3170


 166.8283, 0.2652,
0.3222

 29.9113, 0.2307,
0.3149


205.9149, 0.2683,
0.3228

 19.7713, 0.2195,
0.3121

250.6744, 0.2711,
0.3233

 12.2289, 0.2049,
0.3080

301.4910, 0.2735,
0.3237

 6.8998, 0.1852,
0.3016

358.7492, 0.2756,

 3.3995, 0.1572,

0.3240

0.2910

422.8334, 0.2776,
0.3244

1.3437, 0.1095,
0.2727

0.1747, 0.0000,
0.1352

79.7613, 0.2525,
0.3198

79.7613, 0.2525,
0.3198

76.5795, 0.2421,
0.3174

83.4801, 0.2645,
0.3222

73.8903, 0.2335,
0.3149

87.7587, 0.2780,
0.3244

71.6570, 0.2269,
0.3124

92.6294, 0.2925,
0.3265

69.8340, 0.2223,
0.3099

98.1197, 0.3078,
0.3284

■ 68.3655, 0.2194,
0.3074

99.9992, 0.3127,
0.3290

■ 67.5105, 0.2183,
0.3058

Harmonies

Analogous

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



79.7613, 0.2746, 0.3547



79.7613, 0.2525, 0.3198



79.7613, 0.2458, 0.2903

Triad

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



79.7613, 0.2525, 0.3198



79.7613, 0.3147, 0.2824



79.7613, 0.3716, 0.3847

Complementary

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



79.7613, 0.2525, 0.3198



46.0492, 0.4232, 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.



79.7613, 0.3844, 0.3619



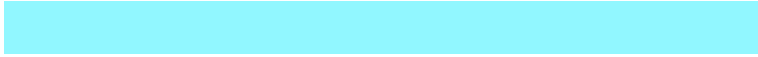
79.7613, 0.2525, 0.3198



79.7613, 0.3506, 0.3044

Square

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



79.7613, 0.2525, 0.3198



79.7613, 0.2802, 0.2711



79.7613, 0.3767, 0.3328



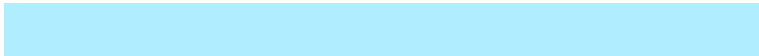
79.7613, 0.3431, 0.3936

Rectangle

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



79.7613, 0.2525, 0.3198



79.7613, 0.2506, 0.2774



79.7613, 0.3767, 0.3328



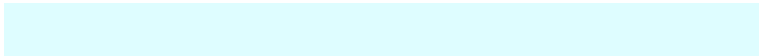
79.7613, 0.3780, 0.3783

Sweetspot

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



79.7644, 0.2525, 0.3198



92.7236, 0.2927, 0.3265



79.8013, 0.3029, 0.4551



19.6049, 0.2894, 0.3261



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.



79.7644, 0.2525, 0.3198



76.9318, 0.2432, 0.3177



51.2048, 0.2413, 0.2537



20.2429, 0.2980, 0.3272



35.3747, 0.2184, 0.3062



3.5089, 0.2192, 0.3090

Inverse Universe

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



48.2029, 0.3244, 0.2295



41.8943, 0.3271, 0.2115



68.0687, 0.3971, 0.3933



18.2763, 0.3149, 0.3073



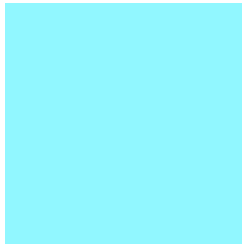
14.2991, 0.3400, 0.1647



1.3988, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 79.7613, 0.2525, 0.3198 looks on a white background.

Color Contrast Check

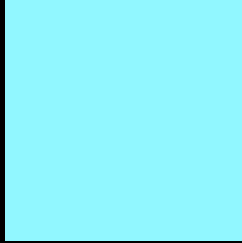
Large Text (above 18pt) WCAG AA × Fail

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 79.7613, 0.2525, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

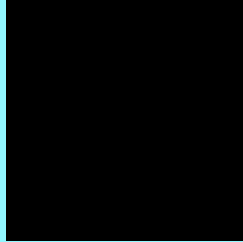
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7613, 0.2525, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 79.7613, 0.2525, 0.3198.

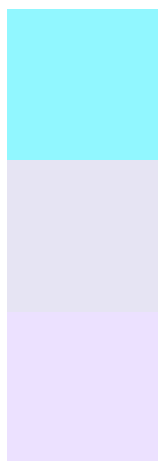


This preview shows how white text looks on a background with the Yxy color 79.7613, 0.2525, 0.3198.

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

79.7613, 0.2525, 0.3198

Protanopia

78.7809, 0.3046, 0.3135

Deuteranopia

78.9033, 0.3013, 0.2987



Tritanopia

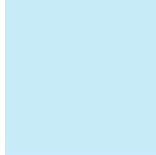
79.5956, 0.2673, 0.3135

Trichromacy



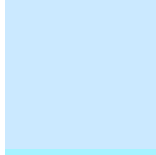
Original Color

79.7613, 0.2525, 0.3198



Protanomaly

78.2742, 0.2828, 0.3160



Deuteranomaly

78.1943, 0.2806, 0.3055



Tritanomaly

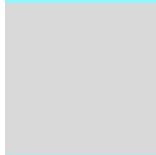
79.4282, 0.2615, 0.3155

Monochromacy



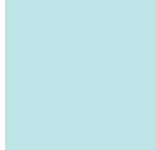
Original Color

79.7613, 0.2525, 0.3198



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.3327, 0.2865, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7613, 0.2525, 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(145, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 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(145, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.7613, 0.2525, 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(145, 247, 255) }
```

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

```
.border{ border-color:rgb(145, 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(145, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7613, 0.2525, 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(145, 247, 255) }
```

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

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