

Converting Colors

$Yxy(79.1678, 0.2556, 0.3174)$

Have a look what the booklet for
Yxy(79.1678, 0.2556, 0.3174)
contains.

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Color

Yxy(79.2971, 0.2557, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	99F5FF
RGB	153, 245, 255
RGB Percent	60%, 96%, 100%
CMY	0.3999, 0.0392, 0.0000
CMYK	0.40, 0.04, 0.00, 0.00
HSL	186°, 100%, 80%
HSV	186°, 40%, 100%
XYZ	63.8422, 79.2971, 106.5368
YIQ	218.6320, -58.0420, -16.3940

Conversions

Conversions Part 2

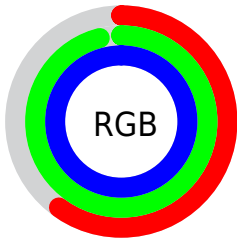
Format	Color
R_{YB}	153, 201, 255
Decimal	10089983
CIE _{Lab}	91.37, -24.91, -13.43
CIE _{LCh}	91, 28.303, 208.339
Yxy	79.2971, 0.2557, 0.3176
Android (android.graphics.Color)	4288280063 (0xFF99F5FF)
YUV	218.6320, 17.9294, -57.5593
Hunter-Lab	89.0489, -27.8630, -8.5994

Details

The Yxy color **79.2971, 0.2557, 0.3176** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.7621, 0.4103, 0.3398**, and the grayscale version is **70.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **42.9053, 0.2435, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **75.5765, 0.2445, 0.3143**, and if you desaturate by 10%, it is **83.5744, 0.2684, 0.3207**.

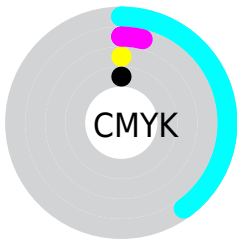
Distribution



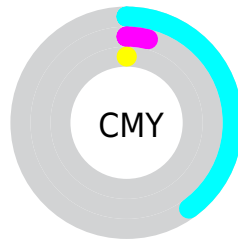
- Red (60%)
- Green (96%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.2971, 0.2557, 0.3176 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 79.2971, 0.2557, 0.3176 by changing the saturation by 10% instead.

 79.2971, 0.2557,
0.3176


 79.2971, 0.2557,
0.3176


492.5608, 0.2811,
0.3234

 59.1401, 0.2501,
0.3162


 132.3770, 0.2643,
0.3197

 42.7259, 0.2433,
0.3144


 166.0688, 0.2678,
0.3205

 29.6701, 0.2349,
0.3120


205.0409, 0.2707,
0.3211

 19.5883, 0.2243,
0.3088

249.6778, 0.2733,
0.3217

 12.0962, 0.2103,
0.3043

300.3638, 0.2756,
0.3222

 6.8092, 0.1913,
0.2974


357.4834, 0.2777,


 3.3431, 0.1642,

0.3227


0.2860

421.4210, 0.2795,
0.3230

 1.3134, 0.1192,
0.2662


 0.1515, 0.0000,
0.1200

 79.2971, 0.2557,
0.3176


 79.2971, 0.2557,
0.3176

 75.5765, 0.2445,
0.3143


 83.5744, 0.2684,
0.3207

 72.3692, 0.2350,
0.3109

 88.4304, 0.2824,
0.3237

 69.6401, 0.2274,
0.3075

 93.8967, 0.2973,
0.3265

 67.3458, 0.2218,
0.3041

99.9940, 0.3127,
0.3290

■ 65.4341, 0.2181,
0.3007

99.9992, 0.3127,
0.3290

■ 63.8203, 0.2159,
0.2973

■ 63.8175, 0.2159,
0.2973

Harmonies

Analogous

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



79.2971, 0.2749, 0.3495



79.2971, 0.2557, 0.3176



79.2971, 0.2510, 0.2913

Triad

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



79.2971, 0.2557, 0.3176



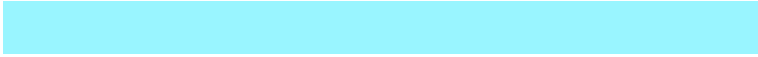
79.2971, 0.3181, 0.2874



79.2971, 0.3650, 0.3820

Complementary

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



79.2971, 0.2557, 0.3176



49.7621, 0.4103, 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.



79.2971, 0.3784, 0.3621



79.2971, 0.2557, 0.3176



79.2971, 0.3506, 0.3087

Square

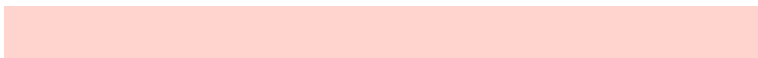
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2971, 0.2557, 0.3176



79.2971, 0.2856, 0.2758



79.2971, 0.3732, 0.3355



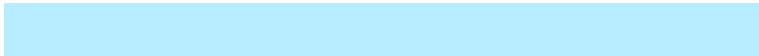
79.2971, 0.3378, 0.3882

Rectangle

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



79.2971, 0.2557, 0.3176



79.2971, 0.2565, 0.2801



79.2971, 0.3732, 0.3355



79.2971, 0.3714, 0.3766

Sweetspot

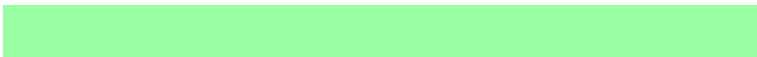
The Sweet Spot groups the original color and five complimentary colors.



79.3002, 0.2557, 0.3176



92.7536, 0.2942, 0.3259



80.8801, 0.3028, 0.4422



19.6962, 0.2922, 0.3256



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.



79.3002, 0.2557, 0.3176



76.2809, 0.2466, 0.3150



53.2575, 0.2464, 0.2582



20.1593, 0.2980, 0.3266



33.4740, 0.2161, 0.2979



3.3438, 0.2172, 0.3017

Inverse Universe

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



50.6452, 0.3256, 0.2386



44.3974, 0.3287, 0.2219



70.9004, 0.3889, 0.3903



18.2679, 0.3153, 0.3078



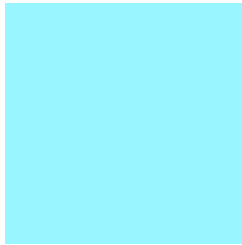
14.1072, 0.3473, 0.1687



1.3821, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 79.2971, 0.2557, 0.3176 looks on a white background.

Color Contrast Check

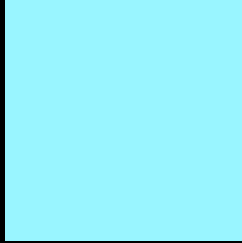
Large Text (above 18pt) WCAG AA × Fail

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 79.2971, 0.2557, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

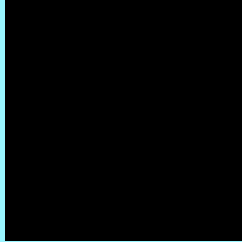
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.2971, 0.2557, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 79.2971, 0.2557, 0.3176.

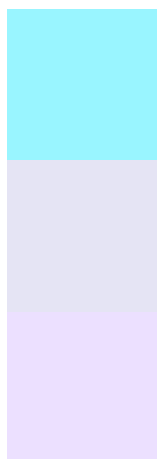


This preview shows how white text looks on a background with the Yxy color 79.2971, 0.2557, 0.3176.

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

79.2971, 0.2557, 0.3176

Protanopia

78.6765, 0.3033, 0.3124

Deuteranopia

78.3642, 0.3013, 0.2977



Tritanopia

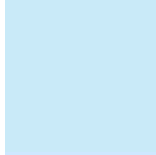
79.0052, 0.2672, 0.3124

Trichromacy



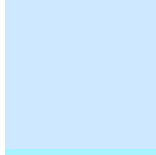
Original Color

79.2971, 0.2557, 0.3176



Protanomaly

78.0405, 0.2833, 0.3139



Deuteranomaly

78.0550, 0.2824, 0.3046



Tritanomaly

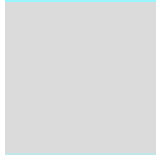
79.1593, 0.2628, 0.3145

Monochromacy



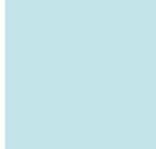
Original Color

79.2971, 0.2557, 0.3176



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.9151, 0.2884, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2971, 0.2557, 0.3176 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(153, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.2971, 0.2557, 0.3176 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(153, 245, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2971, 0.2557, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 245, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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