

Converting Colors

$Yxy(73.5231, 0.2517, 0.3071)$

Have a look what the booklet for
Yxy(73.5231, 0.2517, 0.3071)
contains.

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Color

Yxy(73.5068, 0.2517, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	94ECFF
RGB	148, 236, 255
RGB Percent	58%, 93%, 100%
CMY	0.4199, 0.0744, 0.0001
CMYK	0.42, 0.07, 0.00, 0.00
HSL	191°, 100%, 79%
HSV	191°, 42%, 100%
XYZ	60.2464, 73.5068, 105.6047
YIQ	211.8540, -58.5470, -12.7470

Conversions

Conversions Part 2

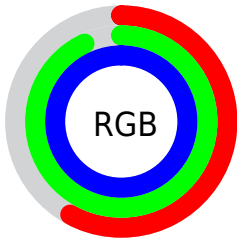
Format	Color
RYB	148, 196, 255
Decimal	9759999
CIELab	88.69, -21.74, -17.47
CIELCh	89, 27.893, 218.791
Yxy	73.5068, 0.2517, 0.3071
Android (android.graphics.Color)	4287950079 (0xFF94ECFF)
YUV	211.8540, 21.2710, -56.0000
Hunter-Lab	85.7361, -24.6070, -13.0147

Details

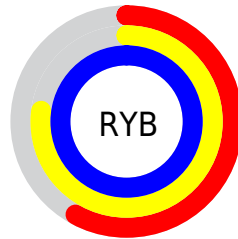
The Yxy color **73.5068, 0.2517, 0.3071** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.9936, 0.4135, 0.3492**, and the grayscale version is **65.6132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **38.8934, 0.2383, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **68.8205, 0.2399, 0.3010**, and if you desaturate by 10%, it is **78.7881, 0.2649, 0.3129**.

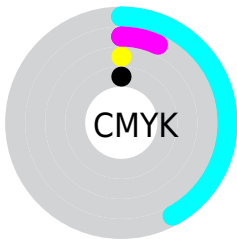
Distribution



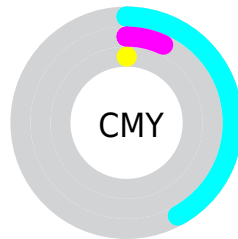
- Red (58%)
- Green (93%)
- Blue (100%)



- Red (58%)
- Yellow (77%)
- Blue (100%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5068, 0.2517, 0.3071 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 73.5068, 0.2517, 0.3071 by changing the saturation by 10% instead.


 73.5068, 0.2517,
0.3071

 73.5068, 0.2517,
0.3071


472.7694, 0.2792,
0.3178

 54.3905, 0.2456,
0.3045


 124.1964, 0.2611,
0.3109

 38.9139, 0.2382,
0.3013


 156.5385, 0.2648,
0.3124

 26.6928, 0.2290,
0.2971


194.0579, 0.2680,
0.3136

 17.3426, 0.2172,
0.2915

237.1391, 0.2708,
0.3147

 10.4791, 0.2017,
0.2837

286.1665, 0.2733,
0.3156

 5.7177, 0.1806,
0.2722

341.5244, 0.2755,

 2.6742, 0.1505,

0.3165

0.2537

403.5972, 0.2774,
0.3172

0.9641, 0.0893,
0.2245

0.0000, 0.0000,
0.0000

73.5068, 0.2517,
0.3071

73.5068, 0.2517,
0.3071

68.8205, 0.2399,
0.3010

78.7881, 0.2649,
0.3129

64.6855, 0.2297,
0.2946

84.6880, 0.2792,
0.3184

61.0652, 0.2214,
0.2882

91.2390, 0.2942,
0.3235

57.9141, 0.2151,
0.2817

98.4685, 0.3096,
0.3281

■ 55.1776, 0.2108,
0.2753

99.9989, 0.3127,
0.3290

■ 53.2175, 0.2084,
0.2702

Harmonies

Analogous

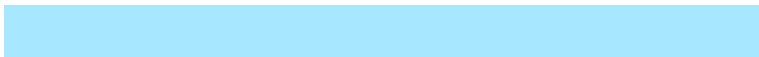
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5068, 0.2663, 0.3385



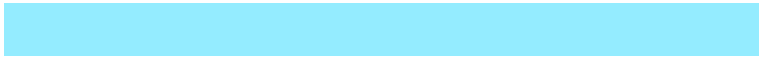
73.5068, 0.2517, 0.3071



73.5068, 0.2524, 0.2842

Triad

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



73.5068, 0.2517, 0.3071



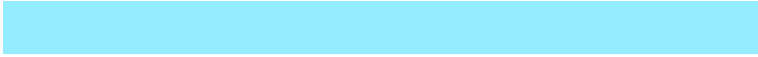
73.5068, 0.3301, 0.2936



73.5068, 0.3572, 0.3867

Complementary

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



73.5068, 0.2517, 0.3071



50.9936, 0.4135, 0.3492

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.



73.5068, 0.3764, 0.3706



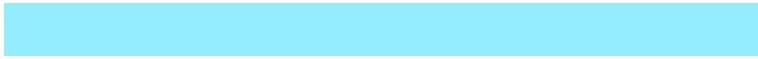
73.5068, 0.2517, 0.3071



73.5068, 0.3606, 0.3176

Square

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



73.5068, 0.2517, 0.3071



73.5068, 0.2962, 0.2780



73.5068, 0.3779, 0.3452



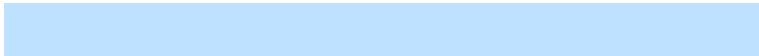
73.5068, 0.3266, 0.3868

Rectangle

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



73.5068, 0.2517, 0.3071



73.5068, 0.2614, 0.2761



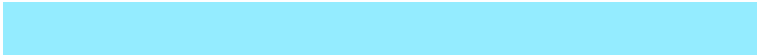
73.5068, 0.3779, 0.3452



73.5068, 0.3653, 0.3828

Sweetspot

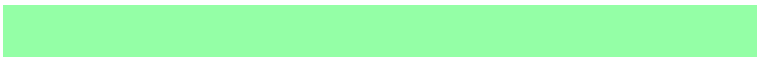
The Sweet Spot groups the original color and five complimentary colors.



73.5096, 0.2517, 0.3071



90.5558, 0.2926, 0.3230



80.5437, 0.2979, 0.4378



19.0641, 0.2893, 0.3219



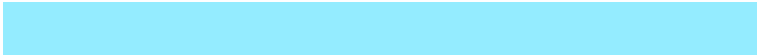
0.0000, 0.0000, 0.0000



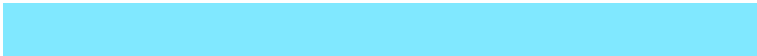
21.4041, 0.3127, 0.3290

Same Dimension

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



73.5096, 0.2517, 0.3071



69.7156, 0.2421, 0.3022



47.6309, 0.2411, 0.2427



19.9017, 0.2980, 0.3247



28.0110, 0.2087, 0.2712



2.8642, 0.2107, 0.2785

Inverse Universe

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



48.4732, 0.3337, 0.2416



42.4178, 0.3389, 0.2263



74.2125, 0.3897, 0.4018



18.2419, 0.3165, 0.3097



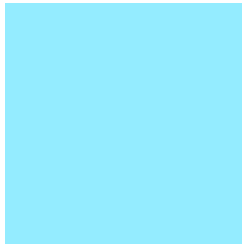
13.5557, 0.3716, 0.1821



1.3337, 0.3648, 0.1783

Previews

White Background



This preview shows how the Yxy color 73.5068, 0.2517, 0.3071 looks on a white background.

Color Contrast Check

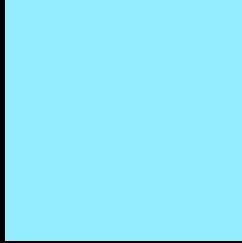
Large Text (above 18pt) WCAG AA × Fail

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 73.5068, 0.2517, 0.3071 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 73.5068, 0.2517, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 73.5068, 0.2517, 0.3071.



This preview shows how white text looks on a background with the Yxy color 73.5068, 0.2517, 0.3071.

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

73.5068, 0.2517, 0.3071

Protanopia

72.8390, 0.2960, 0.3025

Deuteranopia

72.8533, 0.2938, 0.2896



Tritanopia

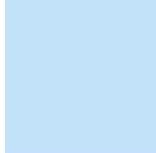
73.5068, 0.2517, 0.3071

Trichromacy



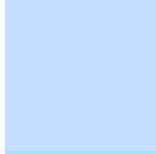
Original Color

73.5068, 0.2517, 0.3071



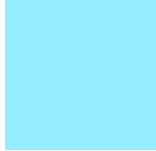
Protanomaly

72.5697, 0.2774, 0.3036



Deuteranomaly

72.4016, 0.2763, 0.2953



Tritanomaly

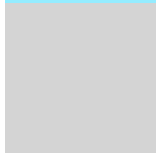
73.5068, 0.2517, 0.3071

Monochromacy



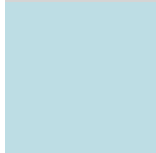
Original Color

73.5068, 0.2517, 0.3071



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.1332, 0.2866, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5068, 0.2517, 0.3071 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(148, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 236, 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(148, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.5068, 0.2517, 0.3071 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(148, 236, 255) }
```

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

```
.border{ border-color:rgb(148, 236, 255) }
```

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

Here you see how a box with a 4 pixel rgb(148, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5068, 0.2517, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 236, 255) }
```

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

```
.background{ background-color: rgb(148,  
236, 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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