

Converting Colors

$Yxy(72.8429, 0.2549, 0.3044)$

Have a look what the booklet for
Yxy(72.8429, 0.2549, 0.3044)
contains.

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Color

Yxy(73.1336, 0.2551, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	9CEAFF
RGB	156, 234, 255
RGB Percent	61%, 92%, 100%
CMY	0.3885, 0.0823, 0.0001
CMYK	0.39, 0.08, 0.00, 0.00
HSL	193°, 100%, 81%
HSV	193°, 39%, 100%
XYZ	61.1685, 73.1336, 105.4802
YIQ	213.0720, -53.2290, -10.0050

Conversions

Conversions Part 2

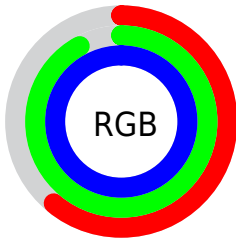
Format	Color
R _Y B	156, 200, 255
Decimal	10283775
CIE Lab	88.51, -18.80, -17.70
CIE LCh	89, 25.820, 223.284
Yxy	73.1336, 0.2551, 0.3050
Android (android.graphics.Color)	4288473855 (0xFF9CEAFF)
YUV	213.0720, 20.6705, -50.0521
Hunter-Lab	85.5182, -21.9814, -13.2670

Details

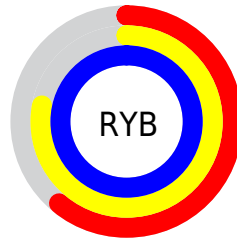
The Yxy color **73.1336, 0.2551, 0.3050** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.0505, 0.4016, 0.3513**, and the grayscale version is **66.4663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **38.5707, 0.2422, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **67.8302, 0.2424, 0.2977**, and if you desaturate by 10%, it is **79.0699, 0.2690, 0.3119**.

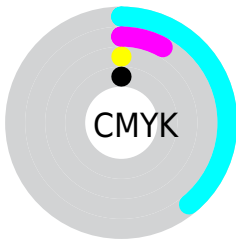
Distribution



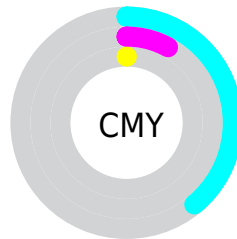
- Red (61%)
- Green (92%)
- Blue (100%)



- Red (61%)
- Yellow (78%)
- Blue (100%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1336, 0.2551, 0.3050 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 73.1336, 0.2551, 0.3050 by changing the saturation by 10% instead.


 73.1336, 0.2551,
0.3050


 73.1336, 0.2551,
0.3050


471.4777, 0.2811,
0.3166

 54.0852, 0.2493,
0.3022


 123.6669, 0.2640,
0.3091

 38.6698, 0.2423,
0.2988

 155.9205, 0.2675,
0.3107

 26.5029, 0.2335,
0.2944


193.3447, 0.2705,
0.3120

 17.2003, 0.2223,
0.2885

236.3239, 0.2732,
0.3132

 10.3774, 0.2075,
0.2803

285.2423, 0.2755,
0.3142

 5.6499, 0.1872,
0.2683

340.4845, 0.2776,

 2.6334, 0.1580,

0.3151

0.2492

402.4349, 0.2795,
0.3159

0.9435, 0.1012,
0.2187

0.0000, 0.0000,
0.0000

73.1336, 0.2551,
0.3050

73.1336, 0.2551,
0.3050

67.8302, 0.2424,
0.2977

79.0699, 0.2690,
0.3119

63.1168, 0.2313,
0.2901

85.6623, 0.2837,
0.3183

58.9578, 0.2219,
0.2823

92.9427, 0.2990,
0.3242

55.3096, 0.2145,
0.2745

99.9986, 0.3127,
0.3290

■ 52.1206, 0.2090,
0.2666

■ 49.3162, 0.2054,
0.2589

■ 49.0070, 0.2050,
0.2580

Harmonies

Analogous

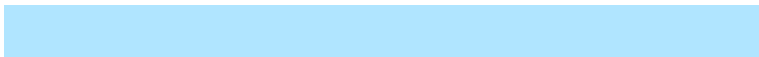
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1336, 0.2667, 0.3333



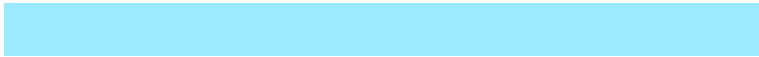
73.1336, 0.2551, 0.3050



73.1336, 0.2579, 0.2853

Triad

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



73.1336, 0.2551, 0.3050



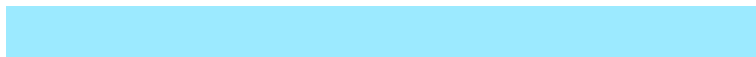
73.1336, 0.3336, 0.2990



73.1336, 0.3503, 0.3835

Complementary

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



73.1336, 0.2551, 0.3050



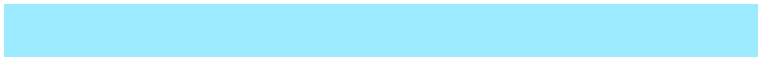
55.0505, 0.4016, 0.3513

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.



73.1336, 0.3701, 0.3707



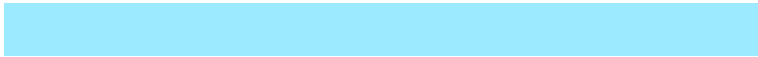
73.1336, 0.2551, 0.3050



73.1336, 0.3604, 0.3222

Square

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



73.1336, 0.2551, 0.3050



73.1336, 0.3020, 0.2830



73.1336, 0.3740, 0.3481



73.1336, 0.3210, 0.3809

Rectangle

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



73.1336, 0.2551, 0.3050



73.1336, 0.2677, 0.2789



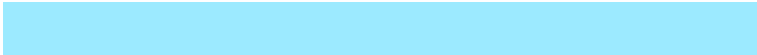
73.1336, 0.3740, 0.3481



73.1336, 0.3583, 0.3808

Sweetspot

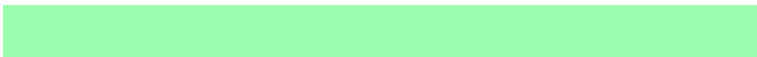
The Sweet Spot groups the original color and five complimentary colors.



73.1365, 0.2551, 0.3050



90.5900, 0.2941, 0.3224



81.6903, 0.2972, 0.4241



19.1841, 0.2921, 0.3217



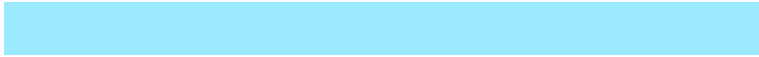
0.0000, 0.0000, 0.0000



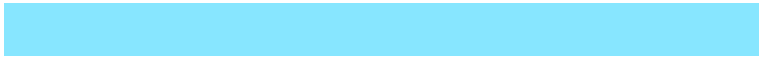
21.4041, 0.3127, 0.3290

Same Dimension

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



73.1365, 0.2551, 0.3050



68.7787, 0.2447, 0.2991



49.2450, 0.2462, 0.2463



19.7906, 0.2980, 0.3239



25.8374, 0.2054, 0.2593



2.6710, 0.2078, 0.2682

Inverse Universe

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



50.9487, 0.3348, 0.2510



44.3230, 0.3408, 0.2354



77.6455, 0.3819, 0.3995



18.2307, 0.3171, 0.3105



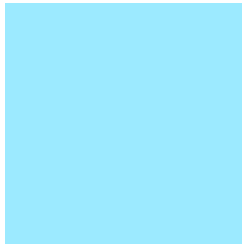
13.3363, 0.3831, 0.1884



1.3142, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 73.1336, 0.2551, 0.3050 looks on a white background.

Color Contrast Check

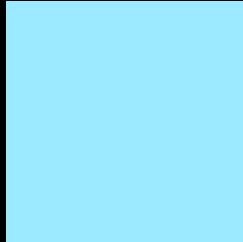
Large Text (above 18pt) WCAG AA × Fail

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 73.1336, 0.2551, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

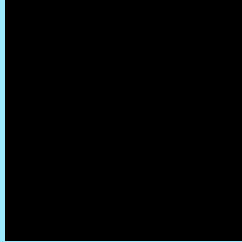
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1336, 0.2551, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 73.1336, 0.2551, 0.3050.

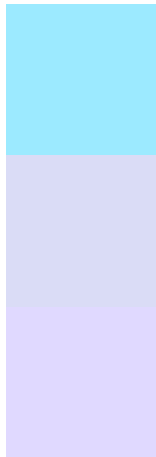


This preview shows how white text looks on a background with the Yxy color 73.1336, 0.2551, 0.3050.

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

73.1336, 0.2551, 0.3050

Protanopia

72.7456, 0.2947, 0.3014

Deuteranopia

72.6930, 0.2932, 0.2895



Tritanopia

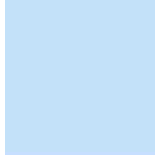
72.9060, 0.2556, 0.3071

Trichromacy



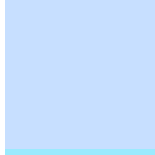
Original Color

73.1336, 0.2551, 0.3050



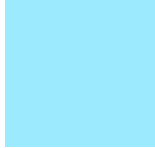
Protanomaly

72.2921, 0.2785, 0.3026



Deuteranomaly

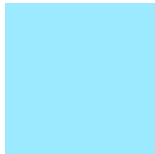
72.1375, 0.2774, 0.2943



Tritanomaly

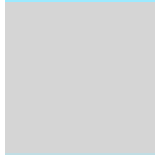
72.9700, 0.2551, 0.3060

Monochromacy



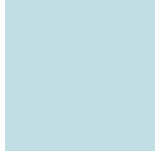
Original Color

73.1336, 0.2551, 0.3050



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.5208, 0.2885, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1336, 0.2551, 0.3050 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(156, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 234, 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(156, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.1336, 0.2551, 0.3050 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(156, 234, 255) }
```

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

```
.border{ border-color:rgb(156, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1336, 0.2551, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 234, 255) }
```

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

```
.background{ background-color: rgb(156,  
234, 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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