

Converting Colors

$Yxy(74.1642, 0.2532, 0.3012)$

Have a look what the booklet for
Yxy(74.1642, 0.2532, 0.3012)
contains.

Yxy(73.7046, 0.2553, 0.3061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.7046, 0.2553, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	9CEBFF
RGB	156, 235, 255
RGB Percent	61%, 92%, 100%
CMY	0.3882, 0.0784, 0.0000
CMYK	0.39, 0.08, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 39%, 100%
XYZ	61.4727, 73.7046, 105.6087
YIQ	213.6590, -53.5040, -10.5280

Conversions

Conversions Part 2

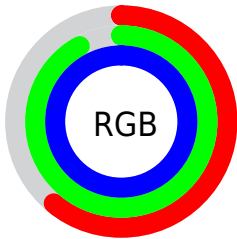
Format	Color
R _Y B	156, 200, 255
Decimal	10284031
CIE Lab	88.78, -19.25, -17.32
CIE LCh	89, 25.892, 221.970
Yxy	73.7046, 0.2553, 0.3061
Android (android.graphics.Color)	4288474111 (0xFF9CEBFF)
YUV	213.6590, 20.3811, -50.5669
Hunter-Lab	85.8514, -22.4275, -12.8387

Details

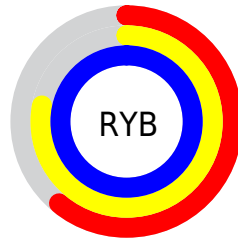
The Yxy color **73.7046, 0.2553, 0.3061** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.7182, 0.4019, 0.3503**, and the grayscale version is **66.8946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **38.9701, 0.2425, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **68.5156, 0.2427, 0.2992**, and if you desaturate by 10%, it is **79.5163, 0.2691, 0.3127**.

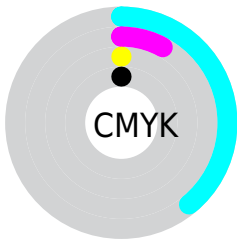
Distribution



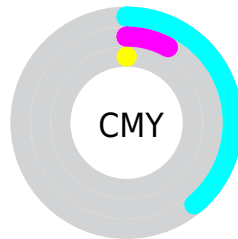
- Red (61%)
- Green (92%)
- Blue (100%)



- 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 73.7046, 0.2553, 0.3061 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 73.7046, 0.2553, 0.3061 by changing the saturation by 10% instead.

 73.7046, 0.2553,
0.3061

 73.7046, 0.2553,
0.3061


473.4532, 0.2812,
0.3172

 54.5523, 0.2496,
0.3035


 124.4770, 0.2642,
0.3100

 39.0434, 0.2425,
0.3002


 156.8658, 0.2676,
0.3115

 26.7935, 0.2338,
0.2959

194.4357, 0.2707,
0.3128

 17.4182, 0.2227,
0.2903

237.5709, 0.2733,
0.3139

 10.5331, 0.2080,
0.2824

286.6558, 0.2756,
0.3149

 5.7538, 0.1879,
0.2709

342.0749, 0.2777,

 2.6960, 0.1589,

0.3158

0.2525

404.2126, 0.2795,
0.3165

■ 0.9751, 0.1038,
0.2229

■ 0.0000, 0.0000,
0.0000

■ 73.7046, 0.2553,
0.3061

■ 73.7046, 0.2553,
0.3061

■ 68.5156, 0.2427,
0.2992

■ 79.5163, 0.2691,
0.3127

■ 63.9100, 0.2317,
0.2920

■ 85.9772, 0.2838,
0.3188

■ 59.8512, 0.2225,
0.2846

■ 93.1181, 0.2990,
0.3245

■ 56.2957, 0.2152,
0.2771

100.0000, 0.3127,
0.3290

■ 53.1920, 0.2099,
0.2696

■ 50.4659, 0.2063,
0.2623

■ 50.1571, 0.2060,
0.2614

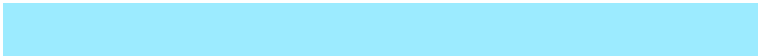
Harmonies

Analogous

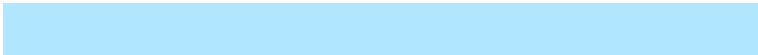
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7046, 0.2675, 0.3346



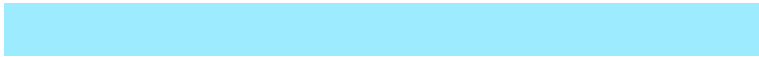
73.7046, 0.2553, 0.3061



73.7046, 0.2575, 0.2859

Triad

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



73.7046, 0.2553, 0.3061



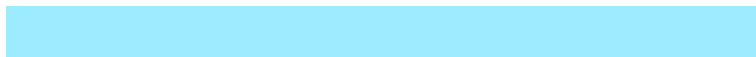
73.7046, 0.3322, 0.2981



73.7046, 0.3515, 0.3833

Complementary

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



73.7046, 0.2553, 0.3061



54.7182, 0.4019, 0.3503

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.



73.7046, 0.3706, 0.3699



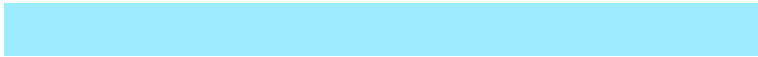
73.7046, 0.2553, 0.3061



73.7046, 0.3595, 0.3211

Square

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



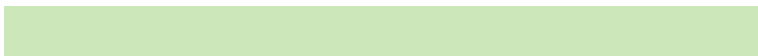
73.7046, 0.2553, 0.3061



73.7046, 0.3006, 0.2825



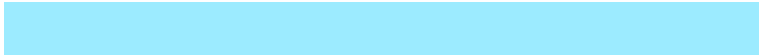
73.7046, 0.3738, 0.3470



73.7046, 0.3224, 0.3814

Rectangle

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



73.7046, 0.2553, 0.3061



73.7046, 0.2668, 0.2791



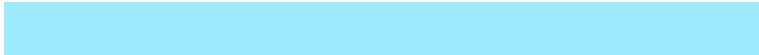
73.7046, 0.3738, 0.3470



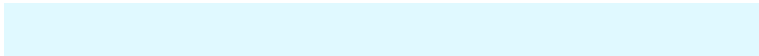
73.7046, 0.3593, 0.3803

Sweetspot

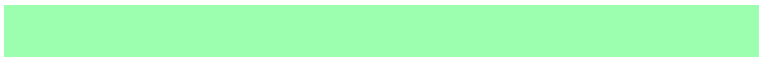
The Sweet Spot groups the original color and five complimentary colors.



73.7063, 0.2553, 0.3061



90.7696, 0.2941, 0.3227



81.7168, 0.2972, 0.4240



19.2265, 0.2921, 0.3220



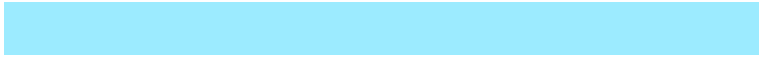
0.0000, 0.0000, 0.0000



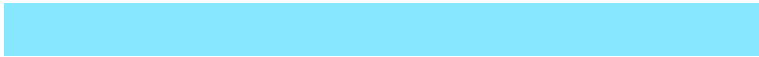
21.4041, 0.3127, 0.3290

Same Dimension

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



73.7063, 0.2553, 0.3061



69.4142, 0.2449, 0.3005



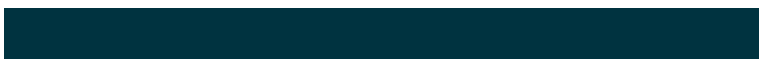
49.2861, 0.2462, 0.2463



19.8212, 0.2980, 0.3241



26.4266, 0.2063, 0.2626



2.7235, 0.2086, 0.2710

Inverse Universe

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



51.0408, 0.3339, 0.2502



44.3871, 0.3397, 0.2345



77.6764, 0.3818, 0.3994



18.2338, 0.3169, 0.3102



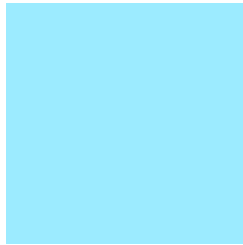
13.3957, 0.3799, 0.1866



1.3195, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 73.7046, 0.2553, 0.3061 looks on a white background.

Color Contrast Check

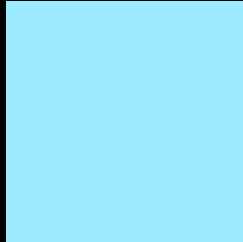
Large Text (above 18pt) WCAG AA × Fail

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 73.7046, 0.2553, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

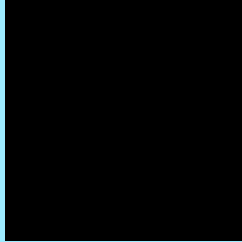
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7046, 0.2553, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 73.7046, 0.2553, 0.3061.

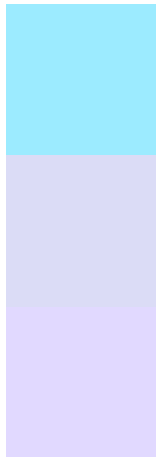


This preview shows how white text looks on a background with the Yxy color 73.7046, 0.2553, 0.3061.

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

73.7046, 0.2553, 0.3061

Protanopia

72.9003, 0.2954, 0.3014

Deuteranopia

72.8533, 0.2938, 0.2896



Tritanopia

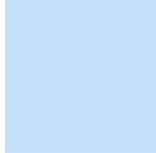
73.6403, 0.2558, 0.3072

Trichromacy



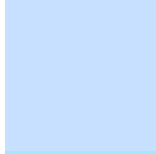
Original Color

73.7046, 0.2553, 0.3061



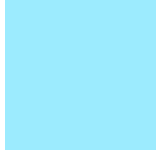
Protanomaly

72.4257, 0.2791, 0.3027



Deuteranomaly

72.8107, 0.2781, 0.2955



Tritanomaly

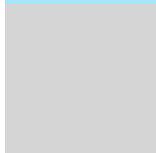
73.6403, 0.2558, 0.3072

Monochromacy



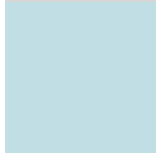
Original Color

73.7046, 0.2553, 0.3061



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.2372, 0.2886, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7046, 0.2553, 0.3061 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.7046, 0.2553, 0.3061 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, 235, 255) }
```

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

```
.border{ border-color:rgb(156, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7046, 0.2553, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 235, 255) }
```

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

```
.background{ background-color: rgb(156,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor