

Converting Colors

$Y_{xy}(74.7020, 0.2502, 0.2930)$

Have a look what the booklet for
Yxy(74.7020, 0.2502, 0.2930)
contains.

Yxy(73.8048, 0.2558, 0.3062)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.8048, 0.2558, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	9DEBFF
RGB	157, 235, 255
RGB Percent	62%, 92%, 100%
CMY	0.3843, 0.0784, 0.0001
CMYK	0.38, 0.08, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	61.6567, 73.8048, 105.5732
YIQ	213.9580, -52.9080, -10.3160

Conversions

Conversions Part 2

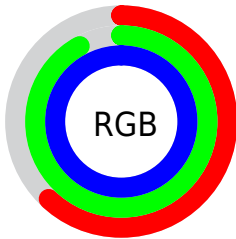
Format	Color
R _Y B	157, 200, 255
Decimal	10349567
CIE _{Lab}	88.83, -19.02, -17.21
CIE _{LCh}	89, 25.654, 222.135
Yxy	73.8048, 0.2558, 0.3062
Android (android.graphics.Color)	4288539647 (0xFF9DEBFF)
YUV	213.9580, 20.2337, -49.9522
Hunter-Lab	85.9097, -22.2341, -12.7238

Details

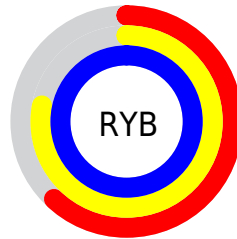
The Yxy color **73.8048, 0.2558, 0.3062** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1112, 0.4005, 0.3503**, and the grayscale version is **67.1029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **39.0267, 0.2430, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **68.5747, 0.2432, 0.2992**, and if you desaturate by 10%, it is **79.6625, 0.2696, 0.3128**.

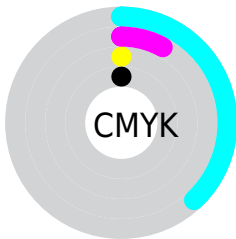
Distribution



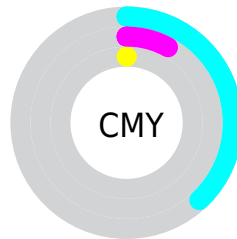
- Red (62%)
- Green (92%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8048, 0.2558, 0.3062 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 73.8048, 0.2558, 0.3062 by changing the saturation by 10% instead.


 73.8048, 0.2558,
0.3062


 73.8048, 0.2558,
0.3062

473.7994, 0.2815,
0.3172

 54.6343, 0.2501,
0.3036


 124.6191, 0.2646,
0.3101

 39.1090, 0.2432,
0.3003


 157.0316, 0.2680,
0.3116

 26.8445, 0.2345,
0.2961

194.6269, 0.2710,
0.3129

 17.4565, 0.2235,
0.2905


237.7895, 0.2736,
0.3140

 10.5605, 0.2089,
0.2827

286.9036, 0.2759,
0.3150

 5.7721, 0.1889,
0.2713

342.3537, 0.2780,

 2.7070, 0.1602,

0.3158

0.2530

404.5241, 0.2798,
0.3166

0.9808, 0.1059,
0.2235

0.0000, 0.0000,
0.0000

73.8048, 0.2558,
0.3062

73.8048, 0.2558,
0.3062

68.5747, 0.2432,
0.2992

79.6625, 0.2696,
0.3128

63.9293, 0.2320,
0.2919

86.1706, 0.2844,
0.3190

59.8334, 0.2227,
0.2845

93.3609, 0.2996,
0.3246

56.2438, 0.2153,
0.2769

99.9978, 0.3127,
0.3290

■ 53.1093, 0.2099,
0.2694

■ 50.3589, 0.2063,
0.2620

■ 49.9457, 0.2058,
0.2608

Harmonies

Analogous

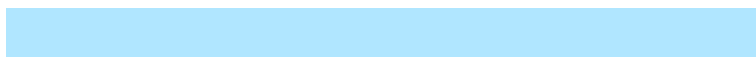
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.8048, 0.2678, 0.3344



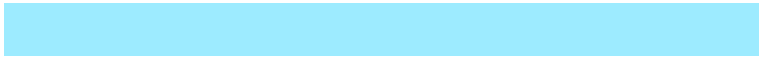
73.8048, 0.2558, 0.3062



73.8048, 0.2581, 0.2862

Triad

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



73.8048, 0.2558, 0.3062



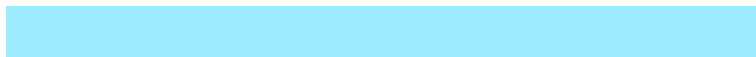
73.8048, 0.3322, 0.2985



73.8048, 0.3510, 0.3828

Complementary

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



73.8048, 0.2558, 0.3062



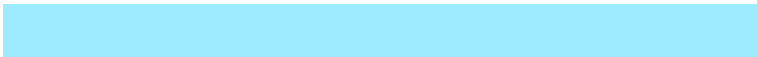
55.1112, 0.4005, 0.3503

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.



73.8048, 0.3700, 0.3696



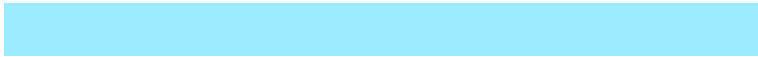
73.8048, 0.2558, 0.3062



73.8048, 0.3592, 0.3213

Square

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



73.8048, 0.2558, 0.3062



73.8048, 0.3009, 0.2830



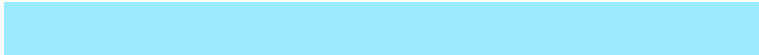
73.8048, 0.3732, 0.3470



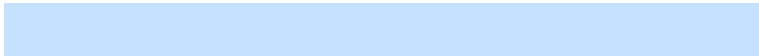
73.8048, 0.3222, 0.3808

Rectangle

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



73.8048, 0.2558, 0.3062



73.8048, 0.2674, 0.2795



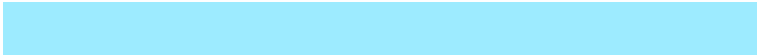
73.8048, 0.3732, 0.3470



73.8048, 0.3588, 0.3799

Sweetspot

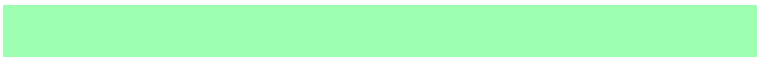
The Sweet Spot groups the original color and five complimentary colors.



73.8077, 0.2558, 0.3062



90.7389, 0.2941, 0.3227



81.8231, 0.2974, 0.4228



19.2193, 0.2921, 0.3219



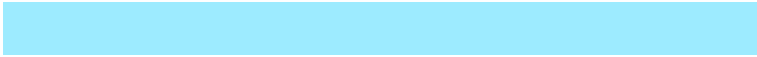
0.0000, 0.0000, 0.0000



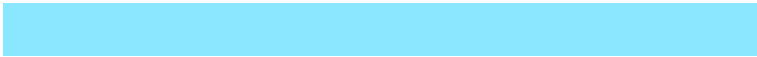
21.4041, 0.3127, 0.3290

Same Dimension

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



73.8077, 0.2558, 0.3062



69.8103, 0.2461, 0.3009



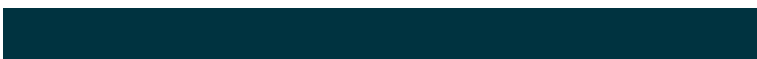
49.6652, 0.2469, 0.2473



19.8160, 0.2980, 0.3240



26.3254, 0.2061, 0.2621



2.7145, 0.2085, 0.2705

Inverse Universe

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



51.3637, 0.3338, 0.2511



45.1266, 0.3392, 0.2365



77.8485, 0.3810, 0.3987



18.2332, 0.3169, 0.3103



13.3855, 0.3804, 0.1869



1.3186, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 73.8048, 0.2558, 0.3062 looks on a white background.

Color Contrast Check

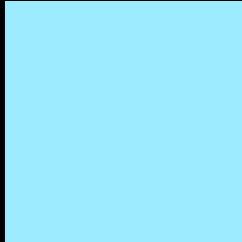
Large Text (above 18pt) WCAG AA × Fail

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 73.8048, 0.2558, 0.3062 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 73.8048, 0.2558, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 73.8048, 0.2558, 0.3062.

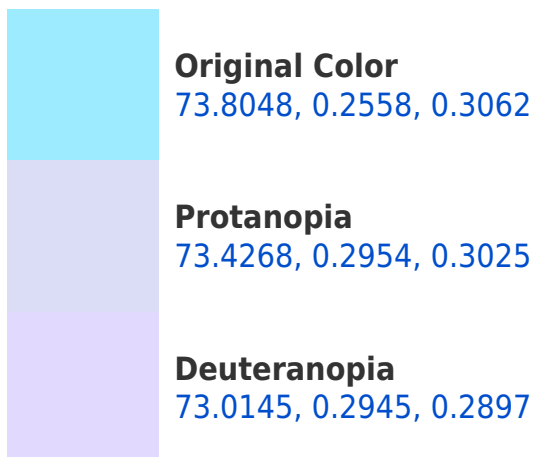


This preview shows how white text looks on a background with the Yxy color 73.8048, 0.2558, 0.3062.

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





Tritanopia

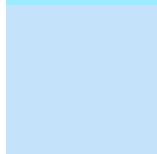
73.7405, 0.2563, 0.3073

Trichromacy



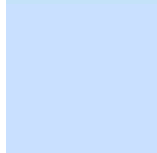
Original Color

73.8048, 0.2558, 0.3062



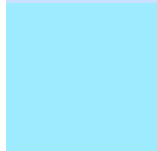
Protanomaly

72.9680, 0.2792, 0.3038



Deuteranomaly

72.9488, 0.2787, 0.2956



Tritanomaly

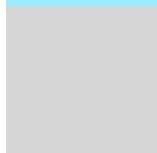
73.7405, 0.2563, 0.3073

Monochromacy



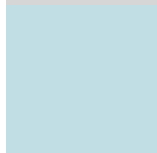
Original Color

73.8048, 0.2558, 0.3062



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 73.8048, 0.2558, 0.3062 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(157, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.8048, 0.2558, 0.3062 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(157, 235, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8048, 0.2558, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 235, 255) }
```

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

```
.background{ background-color: rgb(157,  
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](#).

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