

Converting Colors

$Yxy(75.6307, 0.2446, 0.2870)$

Have a look what the booklet for
Yxy(75.6307, 0.2446, 0.2870)
contains.

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Color

Yxy(74.3677, 0.2533, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	97EDFF
RGB	151, 237, 255
RGB Percent	59%, 93%, 100%
CMY	0.4077, 0.0706, 0.0000
CMYK	0.41, 0.07, 0.00, 0.00
HSL	190°, 100%, 80%
HSV	190°, 41%, 100%
XYZ	61.1007, 74.3677, 105.7502
YIQ	213.3380, -57.0340, -12.6340

Conversions

Conversions Part 2

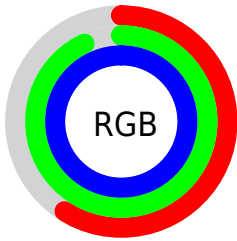
Format	Color
R_{YB}	151, 198, 255
Decimal	9956863
CIE _{Lab}	89.10, -21.48, -16.86
CIE _{LCh}	89, 27.305, 218.141
Yxy	74.3677, 0.2533, 0.3083
Android (android.graphics.Color)	4288146943 (0xFF97EDFF)
YUV	213.3380, 20.5394, -54.6704
Hunter-Lab	86.2367, -24.4429, -12.3404

Details

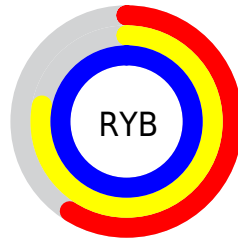
The Yxy color **74.3677, 0.2533, 0.3083** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8802, 0.4096, 0.3482**, and the grayscale version is **66.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **39.4521, 0.2401, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **69.6628, 0.2414, 0.3024**, and if you desaturate by 10%, it is **79.6675, 0.2666, 0.3140**.

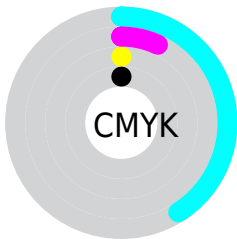
Distribution



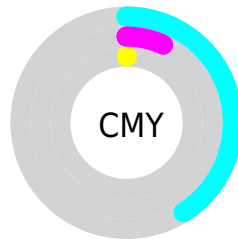
- Red (59%)
- Green (93%)
- Blue (100%)



- Red (59%)
- Yellow (78%)
- Blue (100%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.3677, 0.2533, 0.3083 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 74.3677, 0.2533, 0.3083 by changing the saturation by 10% instead.


 74.3677, 0.2533,
0.3083

 74.3677, 0.2533,
0.3083


475.7415, 0.2801,
0.3184

 55.0950, 0.2474,
0.3059


 125.4169, 0.2624,
0.3119

 39.4778, 0.2402,
0.3028

 157.9623, 0.2660,
0.3133

 27.1316, 0.2312,
0.2989


195.7006, 0.2691,
0.3145

 17.6721, 0.2198,
0.2936

239.0164, 0.2719,
0.3155

 10.7148, 0.2048,
0.2863

288.2940, 0.2743,
0.3164

 5.8754, 0.1842,
0.2754

343.9177, 0.2764,

 2.7695, 0.1549,

0.3171

0.2579

406.2721, 0.2783,
0.3178

■ 1.0126, 0.0983,
0.2299

■ 0.0000, 0.0000,
0.0000

■ 74.3677, 0.2533,
0.3083

■ 74.3677, 0.2533,
0.3083

■ 69.6628, 0.2414,
0.3024

■ 79.6675, 0.2666,
0.3140

■ 65.5115, 0.2310,
0.2962

■ 85.5874, 0.2810,
0.3193

■ 61.8770, 0.2226,
0.2899

■ 92.1588, 0.2960,
0.3242

■ 58.7150, 0.2161,
0.2836

■ 99.4091, 0.3115,
0.3287

■ 55.9721, 0.2116,
0.2773

100.0000, 0.3127,
0.3290

■ 53.7363, 0.2088,
0.2716

Harmonies

Analogous

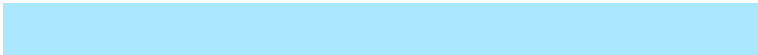
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3677, 0.2679, 0.3389



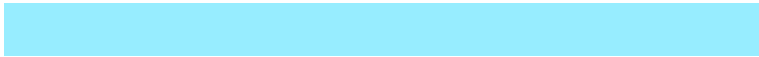
74.3677, 0.2533, 0.3083



74.3677, 0.2537, 0.2857

Triad

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



74.3677, 0.2533, 0.3083



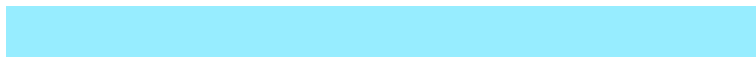
74.3677, 0.3290, 0.2940



74.3677, 0.3567, 0.3851

Complementary

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



74.3677, 0.2533, 0.3083



51.8802, 0.4096, 0.3482

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.



74.3677, 0.3750, 0.3692



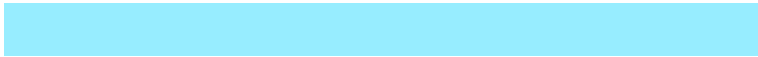
74.3677, 0.2533, 0.3083



74.3677, 0.3589, 0.3173

Square

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



74.3677, 0.2533, 0.3083



74.3677, 0.2959, 0.2790



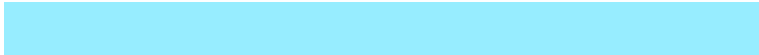
74.3677, 0.3760, 0.3443



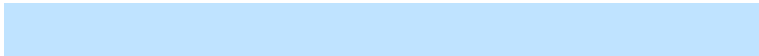
74.3677, 0.3270, 0.3855

Rectangle

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



74.3677, 0.2533, 0.3083



74.3677, 0.2622, 0.2775



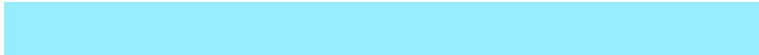
74.3677, 0.3760, 0.3443



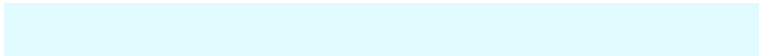
74.3677, 0.3644, 0.3812

Sweetspot

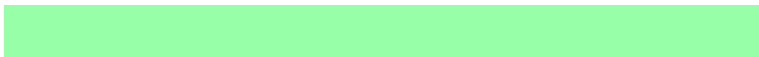
The Sweet Spot groups the original color and five complimentary colors.



74.3698, 0.2533, 0.3083



91.3178, 0.2942, 0.3236



80.9420, 0.2983, 0.4341



19.3562, 0.2922, 0.3230



0.0000, 0.0000, 0.0000



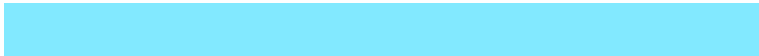
21.4041, 0.3127, 0.3290

Same Dimension

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



74.3698, 0.2533, 0.3083



70.4566, 0.2434, 0.3034



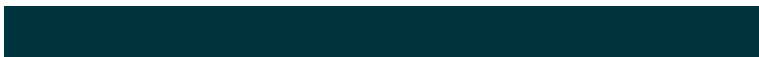
48.7859, 0.2433, 0.2457



19.9147, 0.2980, 0.3248



28.2744, 0.2091, 0.2726



2.8875, 0.2111, 0.2798

Inverse Universe

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



49.5154, 0.3326, 0.2436



43.1429, 0.3378, 0.2277



74.8609, 0.3872, 0.3997



18.2432, 0.3165, 0.3096



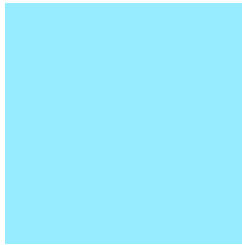
13.5823, 0.3703, 0.1814



1.3360, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 74.3677, 0.2533, 0.3083 looks on a white background.

Color Contrast Check

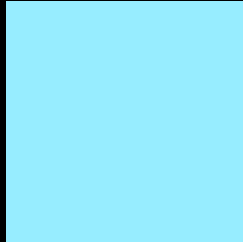
Large Text (above 18pt) WCAG AA × Fail

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 74.3677, 0.2533, 0.3083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

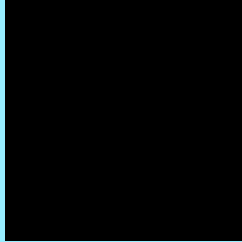
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.3677, 0.2533, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 74.3677, 0.2533, 0.3083.

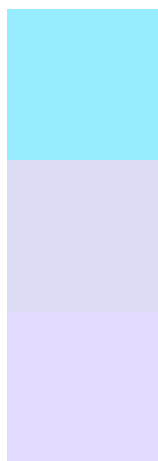


This preview shows how white text looks on a background with the Yxy color 74.3677, 0.2533, 0.3083.

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

74.3677, 0.2533, 0.3083

Protanopia

73.5211, 0.2967, 0.3036

Deuteranopia

73.5316, 0.2945, 0.2908



Tritanopia

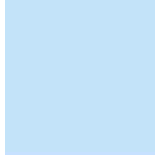
74.0809, 0.2545, 0.3072

Trichromacy



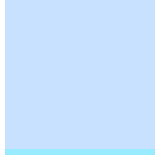
Original Color

74.3677, 0.2533, 0.3083



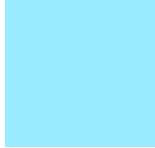
Protanomaly

73.3798, 0.2787, 0.3049



Deuteranomaly

73.2125, 0.2776, 0.2966



Tritanomaly

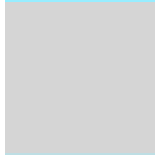
73.9832, 0.2540, 0.3072

Monochromacy



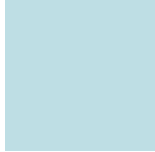
Original Color

74.3677, 0.2533, 0.3083



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.7911, 0.2873, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.3677, 0.2533, 0.3083 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(151, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 237, 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(151, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.3677, 0.2533, 0.3083 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(151, 237, 255) }
```

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

```
.border{ border-color:rgb(151, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.3677, 0.2533, 0.3083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 237, 255) }
```

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

```
.background{ background-color: rgb(151,  
237, 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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