

Converting Colors

$Y_{xy}(71.8537, 0.2530, 0.3058)$

Have a look what the booklet for
Yxy(71.8537, 0.2530, 0.3058)
contains.

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Color

Yxy(71.8537, 0.2530, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	96E9FD
RGB	150, 233, 253
RGB Percent	59%, 91%, 99%
CMY	0.4117, 0.0863, 0.0078
CMYK	0.41, 0.08, 0.00, 0.01
HSL	192°, 96%, 79%
HSV	192°, 41%, 99%
XYZ	59.4473, 71.8537, 103.6686
YIQ	210.4630, -55.8880, -11.3760

Conversions

Conversions Part 2

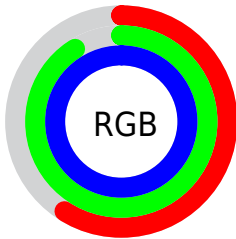
Format	Color
R_{YB}	150, 196, 253
Decimal	9890301
CIE _{Lab}	87.90, -20.24, -17.62
CIE _{LCh}	88, 26.835, 221.042
Yxy	71.8537, 0.2530, 0.3058
Android (android.graphics.Color)	4288080381 (0xFF96E9FD)
YUV	210.4630, 20.9707, -53.0261
Hunter-Lab	84.7666, -23.1583, -13.1744

Details

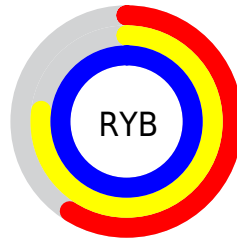
The Yxy color **71.8537, 0.2530, 0.3058** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8399, 0.4083, 0.3505**, and the grayscale version is **64.6586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **37.7570, 0.2399, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **66.9661, 0.2408, 0.2991**, and if you desaturate by 10%, it is **77.3425, 0.2665, 0.3122**.

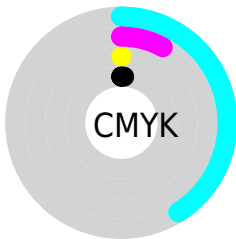
Distribution



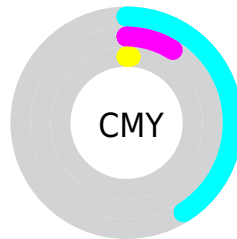
- Red (59%)
- Green (91%)
- Blue (99%)



- Red (59%)
- Yellow (77%)
- Blue (99%)



- Cyan (41%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)





- Cyan (41%)
- Magenta (9%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8537, 0.2530, 0.3058 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 71.8537, 0.2530, 0.3058 by changing the saturation by 10% instead.


 71.8537, 0.2530,
0.3058


 71.8537, 0.2530,
0.3058


467.0322, 0.2800,
0.3171

 53.0392, 0.2470,
0.3031

 121.8485, 0.2623,
0.3098

 37.8340, 0.2396,
0.2997


 153.7976, 0.2659,
0.3114

 25.8539, 0.2305,
0.2953


190.8936, 0.2690,
0.3127

 16.7144, 0.2188,
0.2894

233.5210, 0.2718,
0.3138

 10.0311, 0.2033,
0.2812

282.0642, 0.2742,
0.3148

 5.4196, 0.1821,
0.2690

336.9075, 0.2764,

 2.4955, 0.1516,

0.3157

0.2495

398.4354, 0.2783,
0.3164

0.8744, 0.0846,
0.2196

0.0000, 0.0000,
0.0000

71.8537, 0.2530,
0.3058

71.8537, 0.2530,
0.3058

66.9661, 0.2408,
0.2991

77.3425, 0.2665,
0.3122

62.6370, 0.2302,
0.2921

83.4553, 0.2810,
0.3181

58.8310, 0.2214,
0.2850

90.2239, 0.2961,
0.3236

55.5042, 0.2146,
0.2779

97.6752, 0.3116,
0.3287

■ 52.6043, 0.2098,
0.2707

99.8723, 0.3139,
0.3309

■ 50.2160, 0.2067,
0.2642

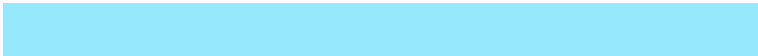
Harmonies

Analogous

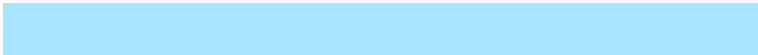
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.8537, 0.2661, 0.3358



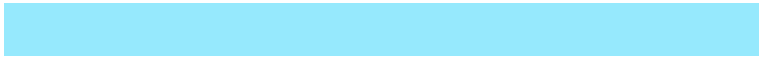
71.8537, 0.2530, 0.3058



71.8537, 0.2548, 0.2844

Triad

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



71.8537, 0.2530, 0.3058



71.8537, 0.3321, 0.2961



71.8537, 0.3540, 0.3855

Complementary

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



71.8537, 0.2530, 0.3058



51.8399, 0.4083, 0.3505

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.



71.8537, 0.3736, 0.3710



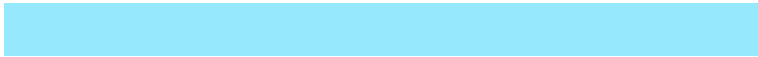
71.8537, 0.2530, 0.3058



71.8537, 0.3609, 0.3199

Square

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



71.8537, 0.2530, 0.3058



71.8537, 0.2991, 0.2802



71.8537, 0.3764, 0.3468



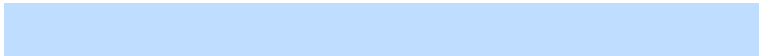
71.8537, 0.3238, 0.3842

Rectangle

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



71.8537, 0.2530, 0.3058



71.8537, 0.2643, 0.2771



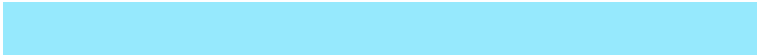
71.8537, 0.3764, 0.3468



71.8537, 0.3621, 0.3822

Sweetspot

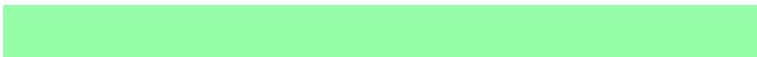
The Sweet Spot groups the original color and five complimentary colors.



71.8565, 0.2530, 0.3058



90.9180, 0.2941, 0.3230



79.5999, 0.2975, 0.4316



19.2616, 0.2922, 0.3223



0.0000, 0.0000, 0.0000



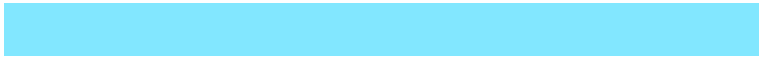
21.4041, 0.3127, 0.3290

Same Dimension

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



71.8565, 0.2530, 0.3058



68.9723, 0.2428, 0.3002



47.2892, 0.2431, 0.2437



19.8465, 0.2980, 0.3243



26.9191, 0.2071, 0.2654



2.7673, 0.2093, 0.2734

Inverse Universe

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



48.5824, 0.3345, 0.2457



42.9930, 0.3403, 0.2300



74.4776, 0.3863, 0.4012



18.2363, 0.3168, 0.3101



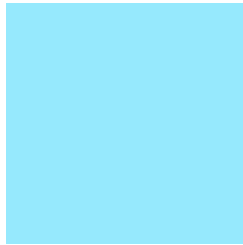
13.4455, 0.3772, 0.1852



1.3239, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 71.8537, 0.2530, 0.3058 looks on a white background.

Color Contrast Check

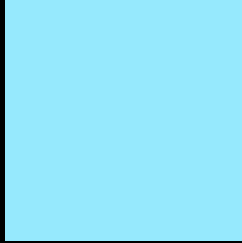
Large Text (above 18pt) WCAG AA × Fail

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 71.8537, 0.2530, 0.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

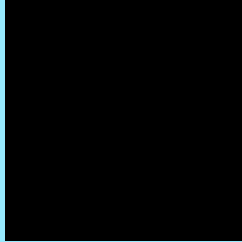
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8537, 0.2530, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 71.8537, 0.2530, 0.3058.

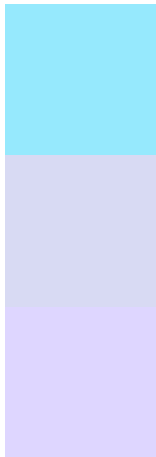


This preview shows how white text looks on a background with the Yxy color 71.8537, 0.2530, 0.3058.

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

71.8537, 0.2530, 0.3058

Protanopia

71.2128, 0.2952, 0.3022

Deuteranopia

70.8427, 0.2918, 0.2862



Tritanopia

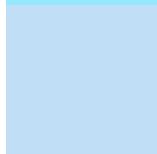
71.7901, 0.2535, 0.3069

Trichromacy



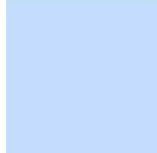
Original Color

71.8537, 0.2530, 0.3058



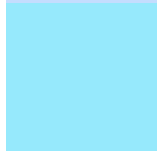
Protanomaly

70.6972, 0.2776, 0.3023



Deuteranomaly

70.6044, 0.2760, 0.2930



Tritanomaly

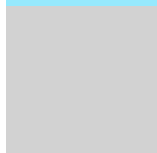
71.7901, 0.2535, 0.3069

Monochromacy



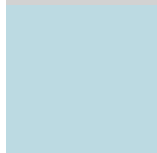
Original Color

71.8537, 0.2530, 0.3058



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.3252, 0.2870, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8537, 0.2530, 0.3058 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(150, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(150, 233, 253)  
}
```

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(150, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 233, 253) }
```

Border

The CSS property to change the border of an element to Yxy 71.8537, 0.2530, 0.3058 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(150, 233, 253) }
```

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

```
.border{ border-color:rgb(150, 233, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 233, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 233, 253); box-shadow:4px 4px 4px 4px rgb(150, 233, 253) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8537, 0.2530, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 233, 253) }
```

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

```
.background{ background-color: rgb(150,  
233, 253) }
```

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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