

Converting Colors

$Yxy(72.8500, 0.2383, 0.2953)$

Have a look what the booklet for
Yxy(72.8500, 0.2383, 0.2953)
contains.

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Color

Yxy(72.3004, 0.2430, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	7FEDFF
RGB	127, 237, 255
RGB Percent	50%, 93%, 100%
CMY	0.5016, 0.0706, 0.0000
CMYK	0.50, 0.07, 0.00, 0.00
HSL	188°, 100%, 75%
HSV	188°, 50%, 100%
XYZ	57.0978, 72.3004, 105.5722
YIQ	206.1620, -71.3380, -17.7220

Conversions

Conversions Part 2

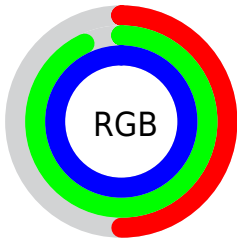
Format	Color
RYB	127, 186, 255
Decimal	8383999
CIELab	88.11, -26.87, -18.45
CIELCh	88, 32.597, 214.465
Yxy	72.3004, 0.2430, 0.3077
Android (android.graphics.Color)	4286574079 (0xFF7FEDFF)
YUV	206.1620, 24.0771, -69.4251
Hunter-Lab	85.0296, -28.9383, -14.0933

Details

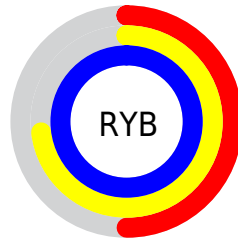
The Yxy color **72.3004, 0.2430, 0.3077** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.0730, 0.4460, 0.3479**, and the grayscale version is **61.7203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **38.1817, 0.2279, 0.3025** is the 20% darker color. If you saturate the color by 10%, you get **68.5257, 0.2330, 0.3028**, and if you desaturate by 10%, it is **76.6147, 0.2547, 0.3125**.

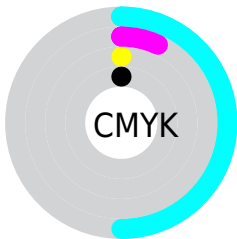
Distribution



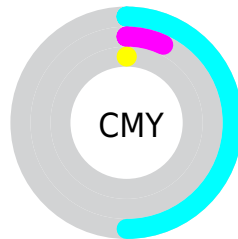
- Red (50%)
- Green (93%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3004, 0.2430, 0.3077 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 72.3004, 0.2430, 0.3077 by changing the saturation by 10% instead.


 72.3004, 0.2430,
0.3077


 72.3004, 0.2430,
0.3077


468.5865, 0.2744,
0.3184


 53.4041, 0.2361,
0.3051


 122.4835, 0.2537,
0.3116

 38.1255, 0.2276,
0.3018


 154.5391, 0.2579,
0.3130

 26.0801, 0.2172,
0.2974


 191.7500, 0.2616,
0.3143

 16.8836, 0.2039,
0.2916

234.5005, 0.2648,
0.3153

 10.1515, 0.1865,
0.2834

283.1750, 0.2676,
0.3162

 5.4995, 0.1630,
0.2710

338.1579, 0.2701,

 2.5432, 0.1301,

0.3170

0.2508

399.8336, 0.2724,
0.3178

0.8982, 0.0489,
0.2224

0.0000, 0.0000,
0.0000

72.3004, 0.2430,
0.3077

72.3004, 0.2430,
0.3077

68.5257, 0.2330,
0.3028

76.6147, 0.2547,
0.3125

65.2485, 0.2249,
0.2978

81.4991, 0.2678,
0.3171

62.4262, 0.2187,
0.2927

86.9864, 0.2820,
0.3213

60.0063, 0.2145,
0.2877

93.1055, 0.2970,
0.3253

■ 57.9354, 0.2119,
0.2828

99.8833, 0.3125,
0.3289

100.0000, 0.3127,
0.3290

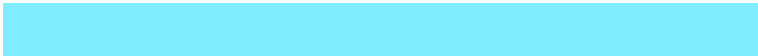
Harmonies

Analogous

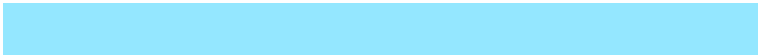
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3004, 0.2621, 0.3455



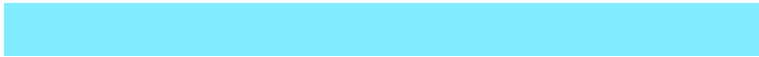
72.3004, 0.2430, 0.3077



72.3004, 0.2413, 0.2793

Triad

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



72.3004, 0.2430, 0.3077



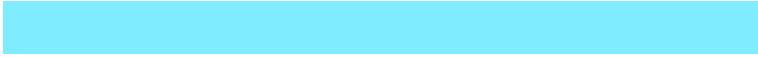
72.3004, 0.3271, 0.2845



72.3004, 0.3690, 0.3949

Complementary

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



72.3004, 0.2430, 0.3077



43.0730, 0.4460, 0.3479

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.



72.3004, 0.3892, 0.3733



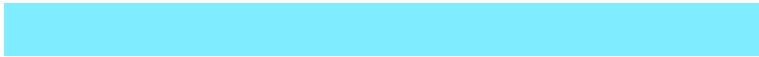
72.3004, 0.2430, 0.3077



72.3004, 0.3646, 0.3110

Square

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



72.3004, 0.2430, 0.3077



72.3004, 0.2878, 0.2683



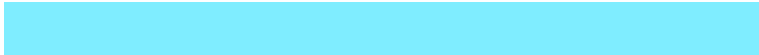
72.3004, 0.3878, 0.3427



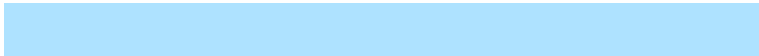
72.3004, 0.3342, 0.3988

Rectangle

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



72.3004, 0.2430, 0.3077



72.3004, 0.2500, 0.2686



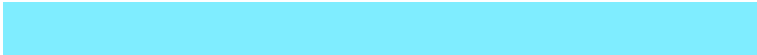
72.3004, 0.3878, 0.3427



72.3004, 0.3778, 0.3892

Sweetspot

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



72.3016, 0.2430, 0.3077



90.0656, 0.2897, 0.3234



78.0562, 0.2977, 0.4687



19.0043, 0.2865, 0.3226



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.



72.3016, 0.2430, 0.3077



68.5835, 0.2332, 0.3029



42.0047, 0.2274, 0.2277



20.0197, 0.2980, 0.3256



30.4401, 0.2121, 0.2837



3.0784, 0.2137, 0.2893

Inverse Universe

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



42.5738, 0.3346, 0.2221



36.6723, 0.3399, 0.2052



67.9534, 0.4094, 0.4112



18.2538, 0.3160, 0.3088



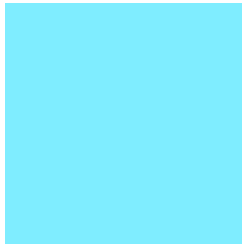
13.8009, 0.3601, 0.1757



1.3553, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 72.3004, 0.2430, 0.3077 looks on a white background.

Color Contrast Check

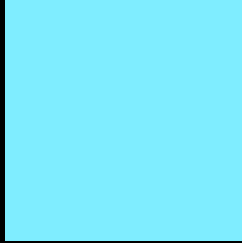
Large Text (above 18pt) WCAG AA × Fail

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 72.3004, 0.2430, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

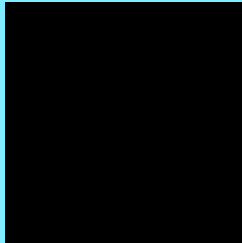
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3004, 0.2430, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 72.3004, 0.2430, 0.3077.

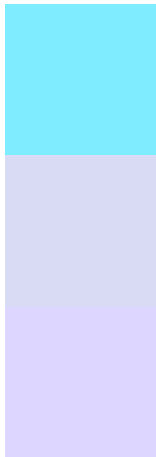


This preview shows how white text looks on a background with the Yxy color 72.3004, 0.2430, 0.3077.

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

72.3004, 0.2430, 0.3077

Protanopia

71.3656, 0.2959, 0.3022

Deuteranopia

71.1930, 0.2911, 0.2872



Tritanopia

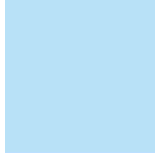
72.0362, 0.2444, 0.3066

Trichromacy



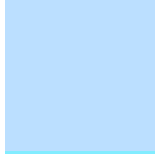
Original Color

72.3004, 0.2430, 0.3077



Protanomaly

70.7562, 0.2730, 0.3043



Deuteranomaly

70.5601, 0.2702, 0.2936



Tritanomaly

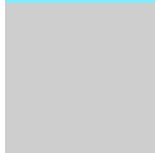
71.9567, 0.2439, 0.3066

Monochromacy



Original Color

72.3004, 0.2430, 0.3077



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.3546, 0.2810, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3004, 0.2430, 0.3077 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(127, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3004, 0.2430, 0.3077 is called "border". The border property can be set on classes, ids or directly on the HTML element.

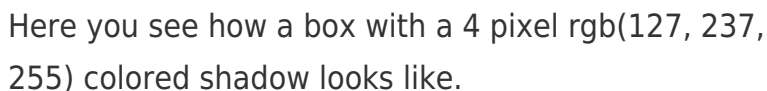
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 237, 255) }
```

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

```
.border{ border-color:rgb(127, 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(127, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 237, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 237, 255); box-shadow:4px 4px 4px 4px rgb(127, 237, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3004, 0.2430, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 237, 255) }
```

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

```
.background{ background-color: rgb(127,  
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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