

Converting Colors

$Y_{xy}(72.8226, 0.2467, 0.3100)$

Have a look what the booklet for
Yxy(72.8226, 0.2467, 0.3100)
contains.

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Color

Yxy(72.7286, 0.2467, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	86EDFD
RGB	134, 237, 253
RGB Percent	53%, 93%, 99%
CMY	0.4745, 0.0706, 0.0080
CMYK	0.47, 0.06, 0.00, 0.01
HSL	188°, 97%, 76%
HSV	188°, 47%, 99%
XYZ	57.8406, 72.7286, 103.8880
YIQ	208.0270, -66.5240, -16.8600

Conversions

Conversions Part 2

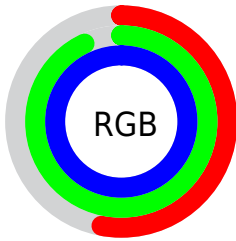
Format	Color
RYB	134, 189, 253
Decimal	8842749
CIELab	88.32, -25.94, -17.03
CIELCh	88, 31.031, 213.295
Yxy	72.7286, 0.2467, 0.3102
Android (android.graphics.Color)	4287032829 (0xFF86EDFD)
YUV	208.0270, 22.1717, -64.9217
Hunter-Lab	85.2811, -28.1770, -12.5293

Details

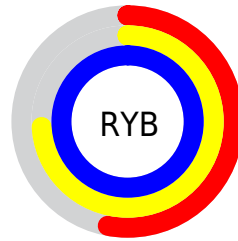
The Yxy color **72.7286, 0.2467, 0.3102** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.3978, 0.4342, 0.3461**, and the grayscale version is **62.9818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **38.4497, 0.2324, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **68.9489, 0.2362, 0.3055**, and if you desaturate by 10%, it is **77.0481, 0.2588, 0.3147**.

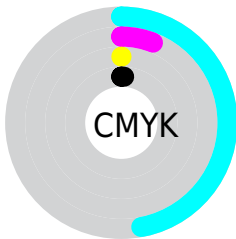
Distribution



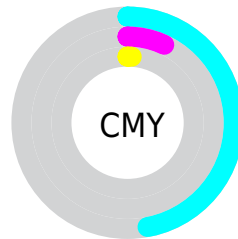
- Red (53%)
- Green (93%)
- Blue (99%)



- Red (53%)
- Yellow (74%)
- Blue (99%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)




- Cyan (47%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7286, 0.2467, 0.3102 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 72.7286, 0.2467, 0.3102 by changing the saturation by 10% instead.


 72.7286, 0.2467,
0.3102

 72.7286, 0.2467,
0.3102


470.0736, 0.2765,
0.3197


 53.7541, 0.2401,
0.3079


 123.0918, 0.2569,
0.3136

 38.4051, 0.2321,
0.3049


 155.2494, 0.2609,
0.3149

 26.2972, 0.2221,
0.3011


 192.5700, 0.2643,
0.3160

 17.0461, 0.2095,
0.2959

235.4381, 0.2674,
0.3169

 10.2674, 0.1928,
0.2885

284.2381, 0.2700,
0.3178

 5.5766, 0.1702,
0.2774

339.3545, 0.2724,

 2.5894, 0.1381,

0.3185

0.2591

401.1715, 0.2745,
0.3191

■ 0.9213, 0.0612,
0.2330

■ 0.0000, 0.0000,
0.0000

■ 72.7286, 0.2467,
0.3102

■ 72.7286, 0.2467,
0.3102

■ 68.9489, 0.2362,
0.3055

■ 77.0481, 0.2588,
0.3147

■ 65.6645, 0.2276,
0.3008

■ 81.9317, 0.2722,
0.3189

■ 62.8370, 0.2209,
0.2960

■ 87.4122, 0.2866,
0.3229

■ 60.4182, 0.2162,
0.2912

■ 93.5171, 0.3018,
0.3266

■ 58.3466, 0.2132,
0.2865

99.2170, 0.3139,
0.3300

■ 57.7699, 0.2125,
0.2851

99.8697, 0.3139,
0.3309

Harmonies

Analogous

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



72.7286, 0.2656, 0.3462



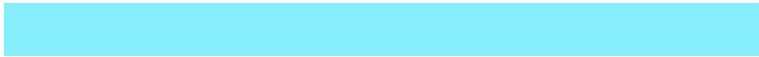
72.7286, 0.2467, 0.3102



72.7286, 0.2444, 0.2826

Triad

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



72.7286, 0.2467, 0.3102



72.7286, 0.3250, 0.2857



72.7286, 0.3673, 0.3911

Complementary

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



72.7286, 0.2467, 0.3102



44.3978, 0.4342, 0.3461

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.



72.7286, 0.3857, 0.3703



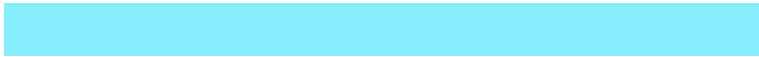
72.7286, 0.2467, 0.3102



72.7286, 0.3608, 0.3108

Square

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



72.7286, 0.2467, 0.3102



72.7286, 0.2877, 0.2707



72.7286, 0.3835, 0.3410



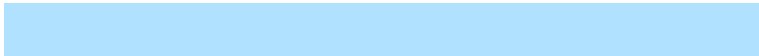
72.7286, 0.3347, 0.3954

Rectangle

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



72.7286, 0.2467, 0.3102



72.7286, 0.2523, 0.2719



72.7286, 0.3835, 0.3410



72.7286, 0.3755, 0.3856

Sweetspot

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



72.7314, 0.2467, 0.3102



90.8292, 0.2912, 0.3241



77.4951, 0.2984, 0.4585



19.1631, 0.2879, 0.3233



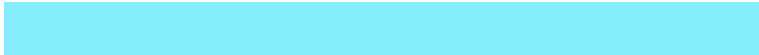
0.0000, 0.0000, 0.0000



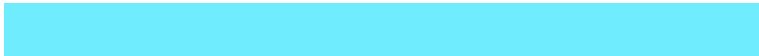
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7314, 0.2467, 0.3102



70.5795, 0.2372, 0.3060



43.8493, 0.2329, 0.2353



20.0413, 0.2980, 0.3257



30.8984, 0.2128, 0.2859



3.1186, 0.2143, 0.2913

Inverse Universe

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



44.0423, 0.3322, 0.2275



38.9396, 0.3368, 0.2110



68.3685, 0.4023, 0.4064



18.2560, 0.3159, 0.3087



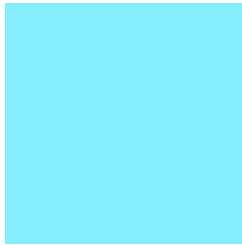
13.8472, 0.3581, 0.1746



1.3594, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 72.7286, 0.2467, 0.3102 looks on a white background.

Color Contrast Check

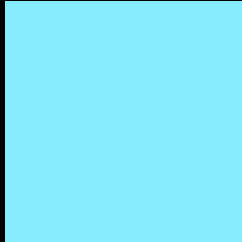
Large Text (above 18pt) WCAG AA × Fail

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 72.7286, 0.2467, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

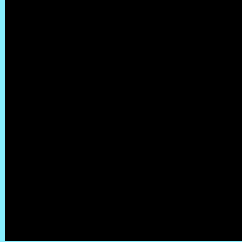
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7286, 0.2467, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 72.7286, 0.2467, 0.3102.

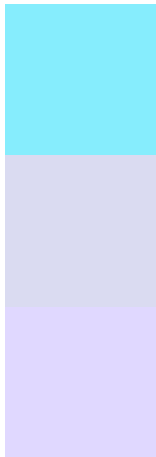


This preview shows how white text looks on a background with the Yxy color 72.7286, 0.2467, 0.3102.

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

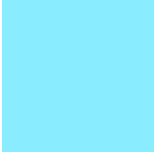
72.7286, 0.2467, 0.3102

Protanopia

71.9193, 0.2978, 0.3055

Deuteranopia

72.1790, 0.2932, 0.2885



Tritanopia

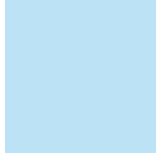
72.5293, 0.2469, 0.3068

Trichromacy



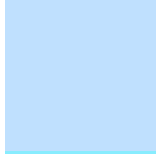
Original Color

72.7286, 0.2467, 0.3102



Protanomaly

71.5501, 0.2760, 0.3077



Deuteranomaly

71.5434, 0.2732, 0.2960



Tritanomaly

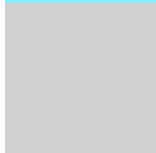
72.3809, 0.2469, 0.3079

Monochromacy



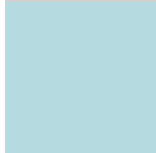
Original Color

72.7286, 0.2467, 0.3102



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.8686, 0.2837, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7286, 0.2467, 0.3102 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(134, 237, 253)` looks like.

```
.text, #text, p{  
    color:rgb(134, 237, 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(134, 237, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 237, 253) }
```

Border

The CSS property to change the border of an element to Yxy 72.7286, 0.2467, 0.3102 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(134, 237, 253) }
```

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

```
.border{ border-color:rgb(134, 237, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 237, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 237, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 237, 253);  
box-shadow:4px 4px 4px 4px rgb(134, 237,  
253) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7286, 0.2467, 0.3102$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 237, 253) }
```

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

```
.background{ background-color: rgb(134,  
237, 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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