

Converting Colors

$Y_{xy}(72.8685, 0.2537, 0.3049)$

Have a look what the booklet for
Yxy(72.8685, 0.2537, 0.3049)
contains.

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Color

Yxy(72.8379, 0.2537, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	99EAFF
RGB	153, 234, 255
RGB Percent	60%, 92%, 100%
CMY	0.4000, 0.0823, 0.0001
CMYK	0.40, 0.08, 0.00, 0.00
HSL	192°, 100%, 80%
HSV	192°, 40%, 100%
XYZ	60.6067, 72.8379, 105.4465
YIQ	212.1750, -55.0170, -10.6410

Conversions

Conversions Part 2

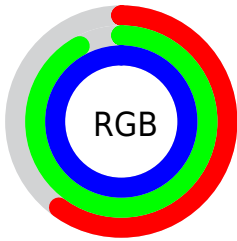
Format	Color
R _Y B	153, 198, 255
Decimal	10087167
CIE Lab	88.37, -19.51, -17.92
CIE LCh	88, 26.496, 222.570
Yxy	72.8379, 0.2537, 0.3049
Android (android.graphics.Color)	4288277247 (0xFF99E AFF)
YUV	212.1750, 21.1127, -51.8965
Hunter-Lab	85.3451, -22.5946, -13.5130

Details

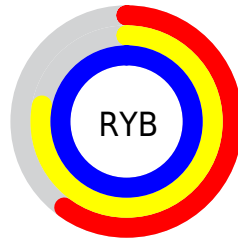
The Yxy color **72.8379, 0.2537, 0.3049** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8175, 0.4055, 0.3513**, and the grayscale version is **65.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **38.4048, 0.2407, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **67.6777, 0.2413, 0.2978**, and if you desaturate by 10%, it is **78.6222, 0.2674, 0.3116**.

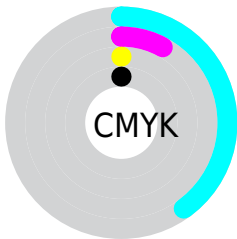
Distribution



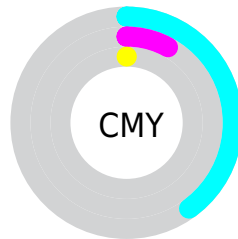
- Red (60%)
- Green (92%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8379, 0.2537, 0.3049 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 72.8379, 0.2537, 0.3049 by changing the saturation by 10% instead.


 72.8379, 0.2537,
0.3049

 72.8379, 0.2537,
0.3049


470.4528, 0.2804,
0.3166

 53.8434, 0.2478,
0.3021

 123.2471, 0.2628,
0.3090

 38.4765, 0.2406,
0.2986


 155.4305, 0.2664,
0.3106

 26.3527, 0.2316,
0.2942


192.7791, 0.2695,
0.3120

 17.0877, 0.2201,
0.2882

235.6773, 0.2722,
0.3132

 10.2970, 0.2050,
0.2799

284.5093, 0.2746,
0.3142

 5.5963, 0.1842,
0.2677

339.6596, 0.2768,

 2.6012, 0.1545,

0.3151

0.2483

401.5127, 0.2787,
0.3159

■ 0.9273, 0.0949,
0.2175

■ 0.0000, 0.0000,
0.0000

■ 72.8379, 0.2537,
0.3049

■ 72.8379, 0.2537,
0.3049

■ 67.6777, 0.2413,
0.2978

■ 78.6222, 0.2674,
0.3116

■ 63.0981, 0.2304,
0.2904

■ 85.0538, 0.2820,
0.3179

■ 59.0634, 0.2213,
0.2828

■ 92.1650, 0.2972,
0.3237

■ 55.5291, 0.2142,
0.2752

99.9832, 0.3127,
0.3290

■ 52.4425, 0.2091,
0.2676

99.9981, 0.3127,
0.3290

■ 49.7182, 0.2056,
0.2601

■ 49.7152, 0.2056,
0.2601

Harmonies

Analogous

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



72.8379, 0.2659, 0.3341



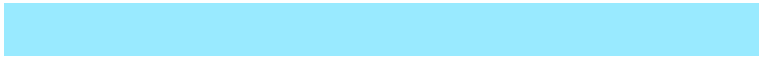
72.8379, 0.2537, 0.3049



72.8379, 0.2563, 0.2844

Triad

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



72.8379, 0.2537, 0.3049



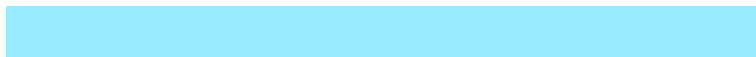
72.8379, 0.3334, 0.2977



72.8379, 0.3520, 0.3849

Complementary

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



72.8379, 0.2537, 0.3049



53.8175, 0.4055, 0.3513

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.



72.8379, 0.3719, 0.3713



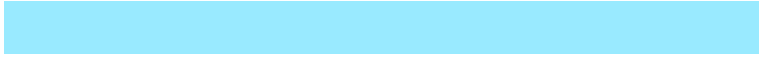
72.8379, 0.2537, 0.3049



72.8379, 0.3612, 0.3214

Square

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



72.8379, 0.2537, 0.3049



72.8379, 0.3009, 0.2816



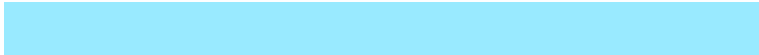
72.8379, 0.3756, 0.3479



72.8379, 0.3220, 0.3827

Rectangle

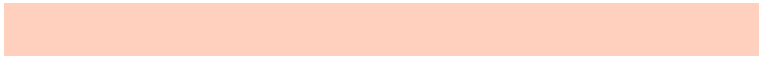
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8379, 0.2537, 0.3049



72.8379, 0.2660, 0.2777



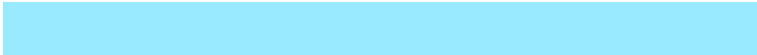
72.8379, 0.3756, 0.3479



72.8379, 0.3601, 0.3819

Sweetspot

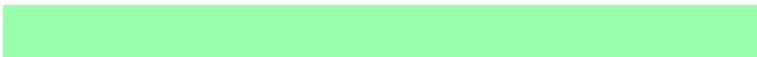
The Sweet Spot groups the original color and five complimentary colors.



72.8407, 0.2537, 0.3049



90.7024, 0.2941, 0.3226



81.3075, 0.2968, 0.4274



19.2106, 0.2921, 0.3219



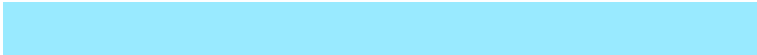
0.0000, 0.0000, 0.0000



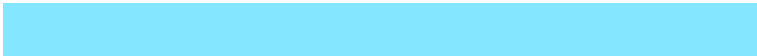
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8407, 0.2537, 0.3049



68.6746, 0.2436, 0.2992



48.1062, 0.2440, 0.2434



19.8097, 0.2980, 0.3240



26.2051, 0.2059, 0.2614



2.7038, 0.2083, 0.2700

Inverse Universe

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



49.9815, 0.3350, 0.2482



43.6295, 0.3409, 0.2330



77.0721, 0.3842, 0.4015



18.2326, 0.3170, 0.3103



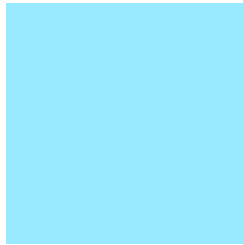
13.3734, 0.3811, 0.1873



1.3175, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 72.8379, 0.2537, 0.3049 looks on a white background.

Color Contrast Check

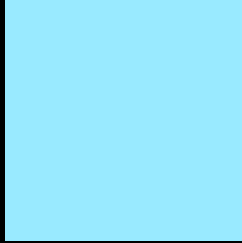
Large Text (above 18pt) WCAG AA × Fail

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 72.8379, 0.2537, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

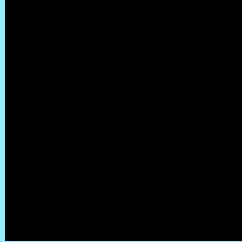
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8379, 0.2537, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 72.8379, 0.2537, 0.3049.



This preview shows how white text looks on a background with the Yxy color 72.8379, 0.2537, 0.3049.

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

72.8379, 0.2537, 0.3049

Protanopia

72.0073, 0.2947, 0.3013

Deuteranopia

72.0197, 0.2925, 0.2884



Tritanopia

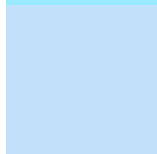
72.7098, 0.2546, 0.3071

Trichromacy



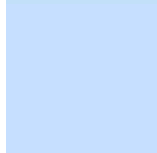
Original Color

72.8379, 0.2537, 0.3049



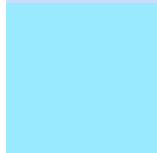
Protanomaly

71.6202, 0.2778, 0.3014



Deuteranomaly

72.0011, 0.2768, 0.2943



Tritanomaly

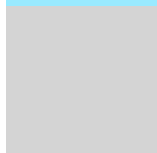
72.7737, 0.2541, 0.3060

Monochromacy



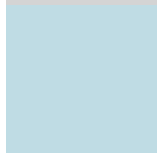
Original Color

72.8379, 0.2537, 0.3049



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.8642, 0.2878, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8379, 0.2537, 0.3049 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(153, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 234, 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(153, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.8379, 0.2537, 0.3049 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(153, 234, 255) }
```

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

```
.border{ border-color:rgb(153, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 234,  
255) }
```


Background

The CSS property to change the background color of an element to `rgb(72.8379, 0.2537, 0.3049)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 234, 255) }
```

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

```
.background{ background-color: rgb(153,  
234, 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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