

Converting Colors

$Yxy(72.8430, 0.2462, 0.3046)$

Have a look what the booklet for
Yxy(72.8430, 0.2462, 0.3046)
contains.

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Color

Yxy(72.6142, 0.2473, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	8AECFF
RGB	138, 236, 255
RGB Percent	54%, 93%, 100%
CMY	0.4586, 0.0745, 0.0000
CMYK	0.46, 0.07, 0.00, 0.00
HSL	190°, 100%, 77%
HSV	190°, 46%, 100%
XYZ	58.5316, 72.6142, 105.5367
YIQ	208.8640, -64.5070, -14.8670

Conversions

Conversions Part 2

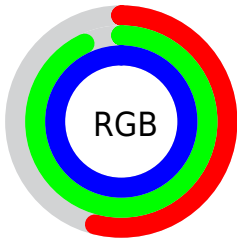
Format	Color
R _Y B	138, 191, 255
Decimal	9104639
CIE Lab	88.26, -24.02, -18.17
CIE LCh	88, 30.116, 217.097
Yxy	72.6142, 0.2473, 0.3068
Android (android.graphics.Color)	4287294719 (0xFF8AECFF)
YUV	208.8640, 22.7450, -62.1477
Hunter-Lab	85.2140, -26.5167, -13.7804

Details

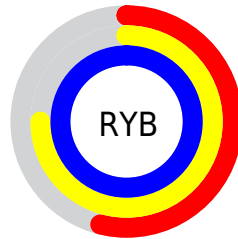
The Yxy color **72.6142, 0.2473, 0.3068** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.2267, 0.4281, 0.3492**, and the grayscale version is **63.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **38.3394, 0.2330, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **68.3323, 0.2363, 0.3011**, and if you desaturate by 10%, it is **77.4676, 0.2598, 0.3122**.

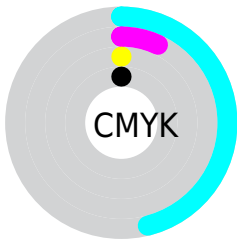
Distribution



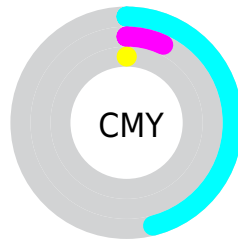
- Red (54%)
- Green (93%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6142, 0.2473, 0.3068 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 72.6142, 0.2473, 0.3068 by changing the saturation by 10% instead.

 72.6142, 0.2473,
0.3068

 72.6142, 0.2473,
0.3068


469.6766, 0.2768,
0.3178

 53.6606, 0.2408,
0.3041

 122.9294, 0.2574,
0.3107

 38.3304, 0.2328,
0.3008


 155.0597, 0.2613,
0.3122

 26.2392, 0.2230,
0.2964


192.3510, 0.2648,
0.3135

 17.0027, 0.2104,
0.2906

235.1877, 0.2678,
0.3146

 10.2364, 0.1939,
0.2824

283.9543, 0.2704,
0.3156

 5.5560, 0.1715,
0.2702

339.0350, 0.2728,

 2.5770, 0.1398,

0.3164

400.8143, 0.2749,
0.3171

0.2505

0.9151, 0.0684,
0.2212

0.0000, 0.0000,
0.0000

72.6142, 0.2473,
0.3068

72.6142, 0.2473,
0.3068

68.3323, 0.2363,
0.3011

77.4676, 0.2598,
0.3122

64.5769, 0.2270,
0.2953

82.9172, 0.2736,
0.3174

61.3094, 0.2197,
0.2894

88.9962, 0.2883,
0.3222

58.4815, 0.2144,
0.2835

95.7328, 0.3036,
0.3266

■ 56.0332, 0.2109,
0.2777

99.9999, 0.3127,
0.3290

■ 55.0953, 0.2098,
0.2753

Harmonies

Analogous

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



72.6142, 0.2638, 0.3412



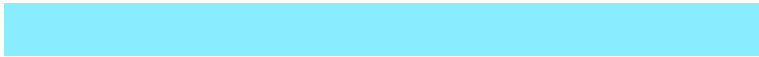
72.6142, 0.2473, 0.3068



72.6142, 0.2471, 0.2815

Triad

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



72.6142, 0.2473, 0.3068



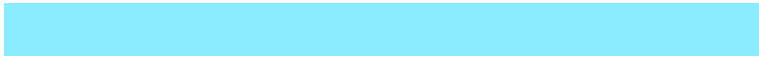
72.6142, 0.3294, 0.2896



72.6142, 0.3624, 0.3909

Complementary

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



72.6142, 0.2473, 0.3068



47.2267, 0.4281, 0.3492

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.



72.6142, 0.3824, 0.3724



72.6142, 0.2473, 0.3068



72.6142, 0.3631, 0.3149

Square

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



72.6142, 0.2473, 0.3068



72.6142, 0.2927, 0.2735



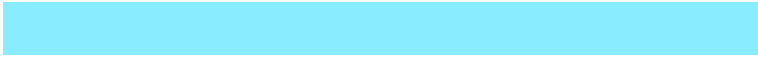
72.6142, 0.3829, 0.3446



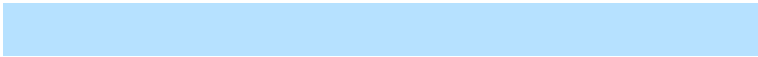
72.6142, 0.3296, 0.3925

Rectangle

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



72.6142, 0.2473, 0.3068



72.6142, 0.2562, 0.2723



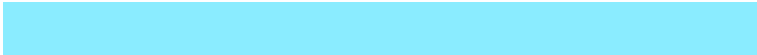
72.6142, 0.3829, 0.3446



72.6142, 0.3709, 0.3863

Sweetspot

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



72.6170, 0.2473, 0.3068



90.2016, 0.2911, 0.3230



79.3132, 0.2978, 0.4523



19.0087, 0.2879, 0.3221



0.0000, 0.0000, 0.0000



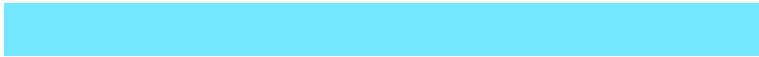
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6170, 0.2473, 0.3068



68.6814, 0.2372, 0.3016



44.8597, 0.2345, 0.2356



19.9492, 0.2980, 0.3250



28.9758, 0.2101, 0.2763



2.9495, 0.2119, 0.2829

Inverse Universe

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



45.5065, 0.3346, 0.2326



39.3029, 0.3402, 0.2159



71.2228, 0.3988, 0.4064



18.2467, 0.3163, 0.3093



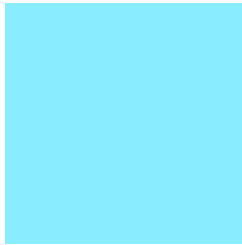
13.6531, 0.3669, 0.1795



1.3423, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 72.6142, 0.2473, 0.3068 looks on a white background.

Color Contrast Check

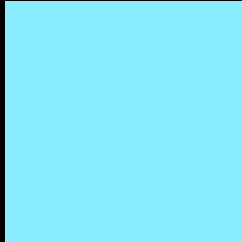
Large Text (above 18pt) WCAG AA × Fail

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 72.6142, 0.2473, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

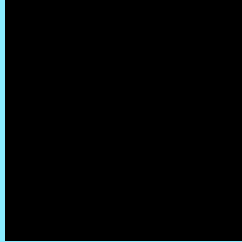
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6142, 0.2473, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 72.6142, 0.2473, 0.3068.

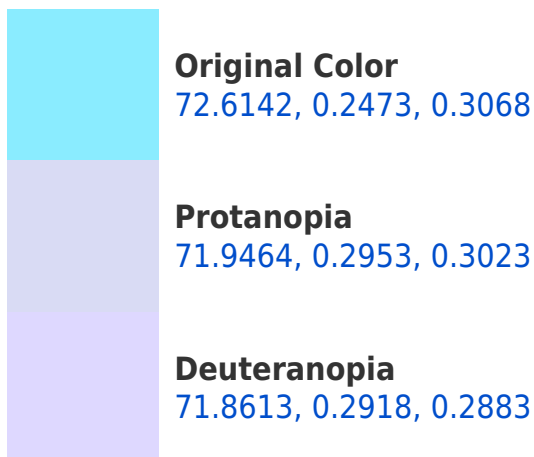


This preview shows how white text looks on a background with the Yxy color 72.6142, 0.2473, 0.3068.

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





Tritanopia

72.6142, 0.2473, 0.3068

Trichromacy



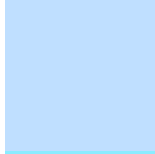
Original Color

72.6142, 0.2473, 0.3068



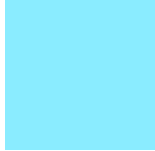
Protanomaly

71.3191, 0.2748, 0.3034



Deuteranomaly

71.0717, 0.2726, 0.2939



Tritanomaly

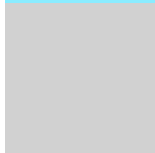
72.6142, 0.2473, 0.3068

Monochromacy



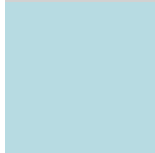
Original Color

72.6142, 0.2473, 0.3068



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.2213, 0.2838, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6142, 0.2473, 0.3068 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(138, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 236, 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(138, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.6142, 0.2473, 0.3068 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(138, 236, 255) }
```

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

```
.border{ border-color:rgb(138, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6142, 0.2473, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 236, 255) }
```

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

```
.background{ background-color: rgb(138,  
236, 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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