

Converting Colors

$Yxy(77.3228, 0.2190, 0.2484)$

Have a look what the booklet for
Yxy(77.3228, 0.2190, 0.2484)
contains.

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Color

Yxy(72.5066, 0.2413, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	7AEEFF
RGB	122, 238, 255
RGB Percent	48%, 93%, 100%
CMY	0.5214, 0.0667, 0.0000
CMYK	0.52, 0.07, 0.00, 0.00
HSL	188°, 100%, 74%
HSV	188°, 52%, 100%
XYZ	56.6575, 72.5066, 105.6370
YIQ	205.2540, -74.5930, -19.3050

Conversions

Conversions Part 2

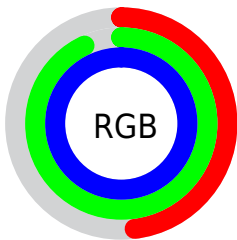
Format	Color
RYB	122, 184, 255
Decimal	8056575
CIELab	88.21, -28.39, -18.32
CIELCh	88, 33.785, 212.831
Yxy	72.5066, 0.2413, 0.3088
Android (android.graphics.Color)	4286246655 (0xFF7AEEFF)
YUV	205.2540, 24.5248, -73.0138
Hunter-Lab	85.1508, -30.2438, -13.9489

Details

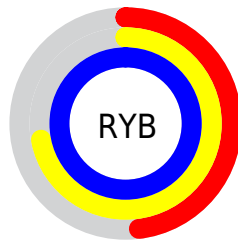
The Yxy color **72.5066, 0.2413, 0.3088** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.1450, 0.4550, 0.3467**, and the grayscale version is **61.1036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **38.3453, 0.2259, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **69.0015, 0.2318, 0.3043**, and if you desaturate by 10%, it is **76.5366, 0.2525, 0.3132**.

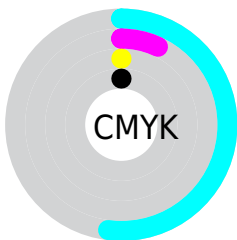
Distribution



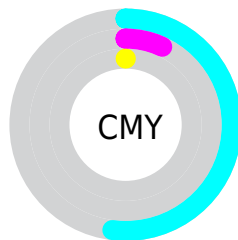
- Red (48%)
- Green (93%)
- Blue (100%)



- Red (48%)
- Yellow (72%)
- Blue (100%)



- Cyan (52%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5066, 0.2413, 0.3088 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 72.5066, 0.2413, 0.3088 by changing the saturation by 10% instead.


 72.5066, 0.2413,
0.3088


 72.5066, 0.2413,
0.3088


469.3030, 0.2734,
0.3190


 53.5726, 0.2342,
0.3063


 122.7765, 0.2522,
0.3125

 38.2601, 0.2256,
0.3031


 154.8812, 0.2566,
0.3139

 26.1846, 0.2150,
0.2989


 192.1450, 0.2603,
0.3151

 16.9618, 0.2014,
0.2932

234.9521, 0.2636,
0.3161

 10.2073, 0.1838,
0.2851

283.6871, 0.2665,
0.3170

 5.5366, 0.1599,
0.2730

338.7343, 0.2690,

 2.5654, 0.1267,

0.3178

0.2531

400.4782, 0.2713,
0.3184

0.9093, 0.0425,
0.2257

0.0000, 0.0000,
0.0000

72.5066, 0.2413,
0.3088

72.5066, 0.2413,
0.3088

69.0015, 0.2318,
0.3043

76.5366, 0.2525,
0.3132

65.9788, 0.2243,
0.2998

81.1231, 0.2652,
0.3174

63.3944, 0.2187,
0.2952

86.2992, 0.2792,
0.3213

61.1936, 0.2150,
0.2907

92.0942, 0.2940,
0.3250

■ 59.6692, 0.2131,
0.2872

■ 98.5352, 0.3094,
0.3283

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.



72.5066, 0.2619, 0.3483



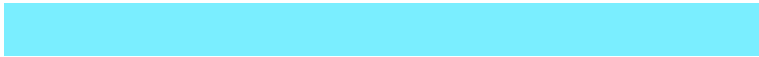
72.5066, 0.2413, 0.3088



72.5066, 0.2386, 0.2787

Triad

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



72.5066, 0.2413, 0.3088



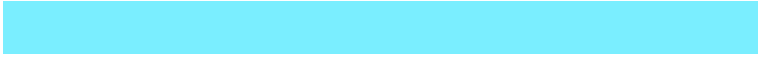
72.5066, 0.3253, 0.2818



72.5066, 0.3725, 0.3963

Complementary

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



72.5066, 0.2413, 0.3088



41.1450, 0.4550, 0.3467

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.



72.5066, 0.3924, 0.3731



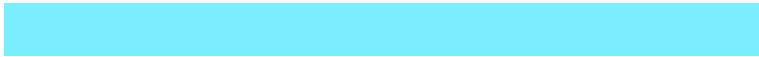
72.5066, 0.2413, 0.3088



72.5066, 0.3646, 0.3086

Square

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



72.5066, 0.2413, 0.3088



72.5066, 0.2848, 0.2658



72.5066, 0.3897, 0.3412



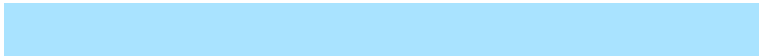
72.5066, 0.3371, 0.4018

Rectangle

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



72.5066, 0.2413, 0.3088



72.5066, 0.2469, 0.2672



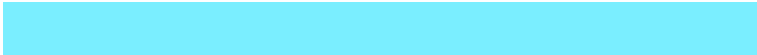
72.5066, 0.3897, 0.3412



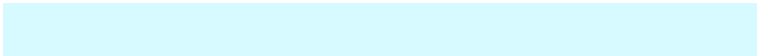
72.5066, 0.3813, 0.3901

Sweetspot

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



72.5077, 0.2413, 0.3088



89.7822, 0.2882, 0.3236



77.4828, 0.2982, 0.4780



18.9615, 0.2851, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

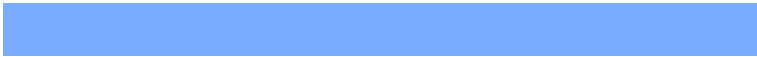
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5077, 0.2413, 0.3088



68.7232, 0.2311, 0.3040



41.2517, 0.2246, 0.2258



20.0616, 0.2980, 0.3259



31.3337, 0.2133, 0.2880



3.1568, 0.2148, 0.2931

Inverse Universe

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



41.3625, 0.3340, 0.2171



35.2945, 0.3395, 0.1991



65.8677, 0.4151, 0.4120



18.2580, 0.3158, 0.3085



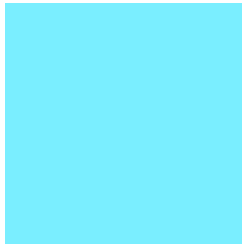
13.8911, 0.3562, 0.1736



1.3632, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 72.5066, 0.2413, 0.3088 looks on a white background.

Color Contrast Check

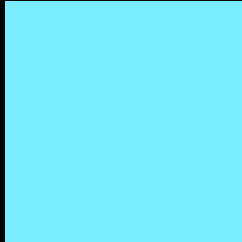
Large Text (above 18pt) WCAG AA × Fail

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 72.5066, 0.2413, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

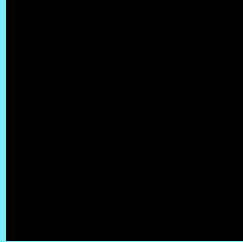
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5066, 0.2413, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 72.5066, 0.2413, 0.3088.

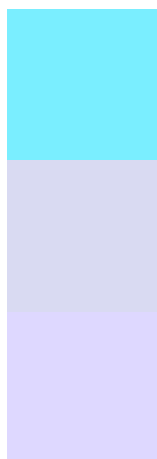


This preview shows how white text looks on a background with the Yxy color 72.5066, 0.2413, 0.3088.

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

72.5066, 0.2413, 0.3088

Protanopia

71.3053, 0.2965, 0.3033

Deuteranopia

71.8613, 0.2918, 0.2883



Tritanopia

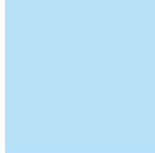
72.6137, 0.2446, 0.3078

Trichromacy



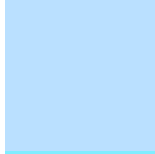
Original Color

72.5066, 0.2413, 0.3088



Protanomaly

70.5109, 0.2718, 0.3042



Deuteranomaly

70.9704, 0.2697, 0.2947



Tritanomaly

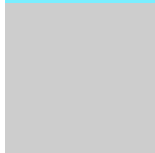
72.3776, 0.2434, 0.3078

Monochromacy



Original Color

72.5066, 0.2413, 0.3088



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.0674, 0.2803, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5066, 0.2413, 0.3088 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(122, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 238, 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(122, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.5066, 0.2413, 0.3088 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(122, 238, 255) }
```

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

```
.border{ border-color:rgb(122, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5066, 0.2413, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 238, 255) }
```

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

```
.background{ background-color: rgb(122,  
238, 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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