

Converting Colors

$Yxy(90.6938, 0.2520, 0.3531)$

Have a look what the booklet for
Yxy(90.6938, 0.2520, 0.3531)
contains.

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Color

Yxy(82.3848, 0.2494, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	7BFFF6
RGB	123, 255, 246
RGB Percent	48%, 100%, 96%
CMY	0.5173, 0.0000, 0.0352
CMYK	0.52, 0.00, 0.04, 0.00
HSL	176°, 100%, 74%
HSV	176°, 52%, 100%
XYZ	60.5742, 82.3848, 99.9207
YIQ	214.5060, -75.7830, -30.7830

Conversions

Conversions Part 2

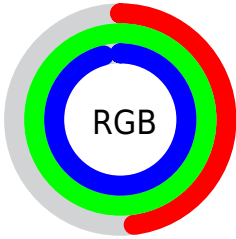
Format	Color
RYB	123, 191, 255
Decimal	8126454
CIELab	92.74, -38.44, -6.86
CIELCh	93, 39.052, 190.124
Yxy	82.3848, 0.2494, 0.3392
Android (android.graphics.Color)	4286316534 (0xFF7BFFF6)
YUV	214.5060, 15.5265, -80.2508
Hunter-Lab	90.7661, -39.7158, -1.7337

Details

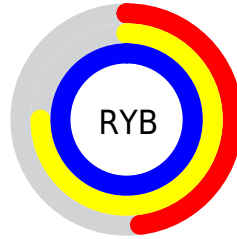
The Yxy color **82.3848, 0.2494, 0.3392** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.1113, 0.4532, 0.3203**, and the grayscale version is **67.5511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **44.9181, 0.2358, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **80.6386, 0.2419, 0.3415**, and if you desaturate by 10%, it is **84.6281, 0.2588, 0.3370**.

Distribution



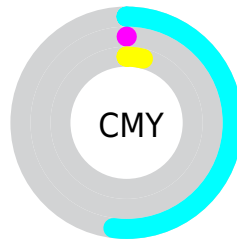
- Red (48%)
- Green (100%)
- Blue (96%)



- Red (48%)
- Yellow (75%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3848, 0.2494, 0.3392 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 82.3848, 0.2494, 0.3392 by changing the saturation by 10% instead.

 82.3848, 0.2494,
0.3392


 82.3848, 0.2494,
0.3392


502.9339, 0.2776,
0.3351


 61.6828, 0.2432,
0.3400


 136.7135, 0.2589,
0.3379

 44.7764, 0.2358,
0.3409


 171.1089, 0.2627,
0.3374

 31.2814, 0.2266,
0.3419

 210.8376, 0.2660,
0.3369

 20.8132, 0.2149,
0.3430

256.2840, 0.2689,
0.3365

 12.9875, 0.1996,
0.3442

307.8324, 0.2714,
0.3361

 7.4200, 0.1790,
0.3453

365.8673, 0.2737,

 3.7261, 0.1498,

0.3358

430.7730, 0.2757,
0.3354

0.3456

1.5216, 0.0921,
0.3483

0.3038, 0.0000,
0.2726

82.3848, 0.2494,
0.3392

82.3848, 0.2494,
0.3392

80.6386, 0.2419,
0.3415

84.6281, 0.2588,
0.3370

79.3412, 0.2364,
0.3438


87.3936, 0.2698,
0.3349


78.4508, 0.2328,
0.3461

90.7161, 0.2822,
0.3329

77.9138, 0.2310,
0.3484

94.6247, 0.2958,
0.3310

 77.6690, 0.2306,
0.3503

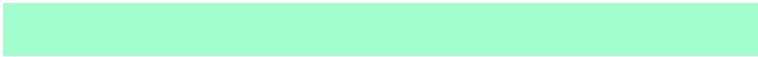
 99.1463, 0.3102,
0.3293

99.9955, 0.3127,
0.3290

Harmonies

Analogous

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



82.3848, 0.2843, 0.3820



82.3848, 0.2494, 0.3392



82.3848, 0.2316, 0.2968

Triad

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



82.3848, 0.2494, 0.3392



82.3848, 0.2920, 0.2626



82.3848, 0.3976, 0.3847

Complementary

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



82.3848, 0.2494, 0.3392



37.1113, 0.4532, 0.3203

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.



82.3848, 0.4013, 0.3508



82.3848, 0.2494, 0.3392



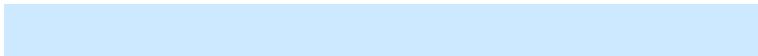
82.3848, 0.3378, 0.2834

Square

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



82.3848, 0.2494, 0.3392



82.3848, 0.2547, 0.2565



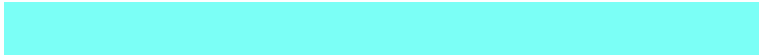
82.3848, 0.3789, 0.3147



82.3848, 0.3702, 0.4071

Rectangle

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



82.3848, 0.2494, 0.3392



82.3848, 0.2307, 0.2756



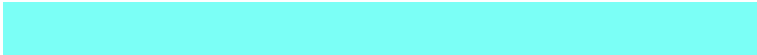
82.3848, 0.3789, 0.3147



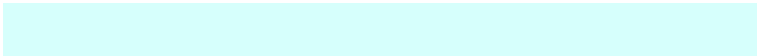
82.3848, 0.4017, 0.3741

Sweetspot

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



82.3880, 0.2494, 0.3392



92.8890, 0.2899, 0.3318



78.0218, 0.3104, 0.4925



19.7107, 0.2871, 0.3322



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

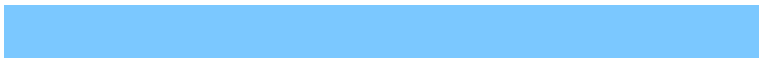
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3880, 0.2494, 0.3392



80.6032, 0.2417, 0.3415



52.7583, 0.2322, 0.2612



20.4589, 0.2989, 0.3306



40.5954, 0.2305, 0.3499



3.9588, 0.2298, 0.3473

Inverse Universe

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



37.1113, 0.4532, 0.3203



30.8660, 0.4991, 0.3196



54.5487, 0.4296, 0.3858



18.0071, 0.3284, 0.3274



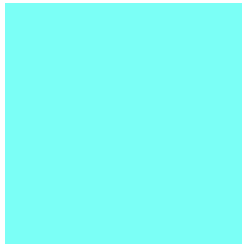
11.1379, 0.6331, 0.3261



1.0911, 0.6175, 0.3175

Previews

White Background



This preview shows how the Yxy color 82.3848, 0.2494, 0.3392 looks on a white background.

Color Contrast Check

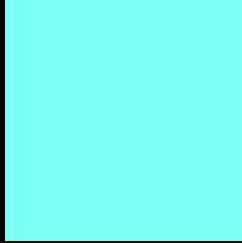
Large Text (above 18pt) WCAG AA × Fail

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 82.3848, 0.2494, 0.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

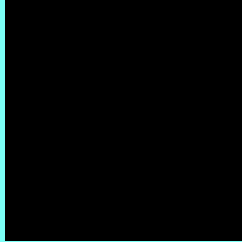
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

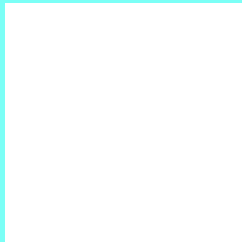
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3848, 0.2494, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 82.3848, 0.2494, 0.3392.

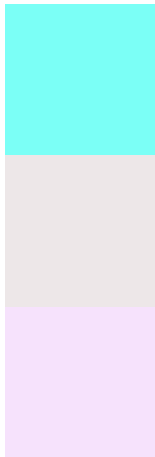


This preview shows how white text looks on a background with the Yxy color 82.3848, 0.2494, 0.3392.

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

82.3848, 0.2494, 0.3392

Protanopia

80.9825, 0.3162, 0.3280

Deuteranopia

81.0138, 0.3098, 0.3032



Tritanopia

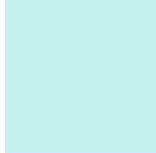
81.6355, 0.2713, 0.3159

Trichromacy



Original Color

82.3848, 0.2494, 0.3392



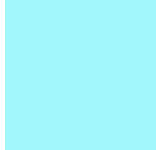
Protanomaly

80.1704, 0.2868, 0.3322



Deuteranomaly

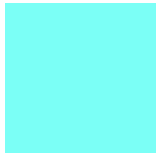
79.8880, 0.2824, 0.3150



Tritanomaly

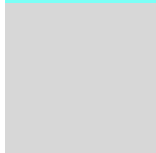
81.2312, 0.2616, 0.3233

Monochromacy



Original Color

82.3848, 0.2494, 0.3392



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0297, 0.2839, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3848, 0.2494, 0.3392 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(123, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 246)  
}
```

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(123, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.3848, 0.2494, 0.3392 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(123, 255, 246) }
```

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

```
.border{ border-color:rgb(123, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3848, 0.2494, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 246) }
```

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

```
.background{ background-color: rgb(123,  
255, 246) }
```

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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