

Converting Colors

$Y_{xy}(75.5775, 0.2496, 0.3229)$

Have a look what the booklet for
Yxy(75.5775, 0.2496, 0.3229)
contains.

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Color

Yxy(75.7840, 0.2494, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	84F3F8
RGB	132, 243, 248
RGB Percent	52%, 95%, 97%
CMY	0.4820, 0.0471, 0.0276
CMYK	0.47, 0.02, 0.00, 0.03
HSL	183°, 89%, 75%
HSV	183°, 47%, 97%
XYZ	58.5156, 75.7840, 100.3258
YIQ	210.3810, -67.7610, -21.9770

Conversions

Conversions Part 2

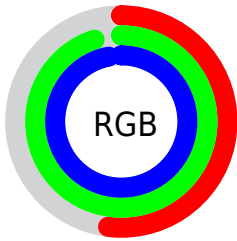
Format	Color
RYB	132, 189, 248
Decimal	8713208
CIELab	89.76, -30.51, -12.27
CIElCh	90, 32.883, 201.917
Yxy	75.7840, 0.2494, 0.3230
Android (android.graphics.Color)	4286903288 (0xFF84F3F8)
YUV	210.3810, 18.5462, -68.7401
Hunter-Lab	87.0540, -32.3612, -7.3912

Details

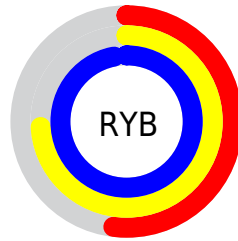
The Yxy color **75.7840, 0.2494, 0.3230** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.5293, 0.4388, 0.3347**, and the grayscale version is **64.6354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **40.2257, 0.2351, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **73.3827, 0.2400, 0.3216**, and if you desaturate by 10%, it is **78.6700, 0.2606, 0.3244**.

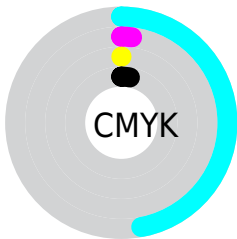
Distribution



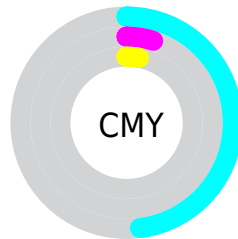
- Red (52%)
- Green (95%)
- Blue (97%)



- Red (52%)
- Yellow (74%)
- Blue (97%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)





- Cyan (48%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7840, 0.2494, 0.3230 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 75.7840, 0.2494, 0.3230 by changing the saturation by 10% instead.


 75.7840, 0.2494,
0.3230

 75.7840, 0.2494,
0.3230

480.6080, 0.2778,
0.3265


 56.2554, 0.2431,
0.3221


 127.4215, 0.2591,
0.3243

 40.4077, 0.2355,
0.3208


 160.2993, 0.2629,
0.3248

 27.8566, 0.2260,
0.3191


 198.3955, 0.2662,
0.3252

 18.2176, 0.2139,
0.3167

242.0946, 0.2691,
0.3255

 11.1063, 0.1980,
0.3131

291.7810, 0.2717,
0.3258

 6.1384, 0.1764,
0.3073

347.8391, 0.2740,

 2.9294, 0.1456,

0.3261

0.2969

410.6533, 0.2760,
0.3263

■ 1.0950, 0.0732,
0.2840

■ 0.0000, 0.0000,
0.0000

■ 75.7840, 0.2494,
0.3230

■ 75.7840, 0.2494,
0.3230

■ 73.3827, 0.2400,
0.3216

■ 78.6700, 0.2606,
0.3244

■ 71.4232, 0.2325,
0.3201

■ 82.0627, 0.2733,
0.3258

■ 69.8696, 0.2270,
0.3186


■ 85.9933, 0.2873,
0.3271


■ 68.6764, 0.2233,
0.3172

■ 90.4880, 0.3023,
0.3282


 67.7863, 0.2214,
0.3158


 95.3667, 0.3172,
0.3293

 67.5320, 0.2209,
0.3153

 96.0244, 0.3171,
0.3304

 96.6857, 0.3171,
0.3314

 97.3509, 0.3170,
0.3324

 98.0197, 0.3169,
0.3334

Harmonies

Analogous

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



75.7840, 0.2748, 0.3611



75.7840, 0.2494, 0.3230



75.7840, 0.2403, 0.2898

Triad

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



75.7840, 0.2494, 0.3230



75.7840, 0.3102, 0.2766



75.7840, 0.3792, 0.3871

Complementary

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



75.7840, 0.2494, 0.3230



39.5293, 0.4388, 0.3347

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.



75.7840, 0.3909, 0.3609



75.7840, 0.2494, 0.3230



75.7840, 0.3497, 0.2992

Square

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



75.7840, 0.2494, 0.3230



75.7840, 0.2737, 0.2659



75.7840, 0.3800, 0.3292



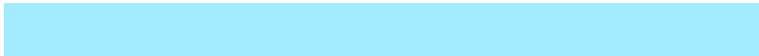
75.7840, 0.3497, 0.3993

Rectangle

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



75.7840, 0.2494, 0.3230



75.7840, 0.2441, 0.2749



75.7840, 0.3800, 0.3292



75.7840, 0.3855, 0.3795

Sweetspot

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



75.7869, 0.2494, 0.3230



92.8726, 0.2913, 0.3274



73.8060, 0.3040, 0.4721



19.6666, 0.2881, 0.3271



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.



75.7869, 0.2494, 0.3230



78.3482, 0.2405, 0.3216



46.8767, 0.2363, 0.2514



19.4732, 0.2980, 0.3279



36.5457, 0.2210, 0.3155



3.4232, 0.2215, 0.3172

Inverse Universe

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



42.9488, 0.3224, 0.2193



39.7239, 0.3245, 0.2010



60.1556, 0.4075, 0.3945



17.5109, 0.3145, 0.3066



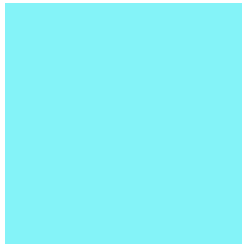
14.1002, 0.3320, 0.1602



1.3098, 0.3305, 0.1595

Previews

White Background



This preview shows how the Yxy color 75.7840, 0.2494, 0.3230 looks on a white background.

Color Contrast Check

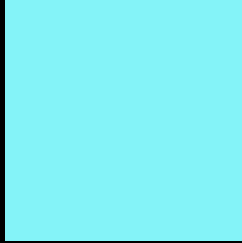
Large Text (above 18pt) WCAG AA × Fail

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 75.7840, 0.2494, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

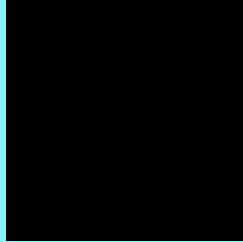
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7840, 0.2494, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 75.7840, 0.2494, 0.3230.

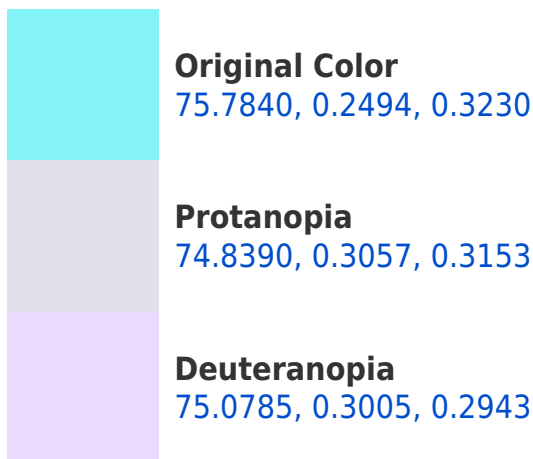


This preview shows how white text looks on a background with the Yxy color 75.7840, 0.2494, 0.3230.

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

75.3376, 0.2554, 0.3096

Trichromacy



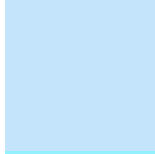
Original Color

75.7840, 0.2494, 0.3230



Protanomaly

73.9613, 0.2815, 0.3178



Deuteranomaly

74.1876, 0.2782, 0.3039



Tritanomaly

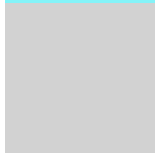
75.5515, 0.2534, 0.3151

Monochromacy



Original Color

75.7840, 0.2494, 0.3230



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.5695, 0.2845, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7840, 0.2494, 0.3230 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(132, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(132, 243, 248)  
}
```

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(132, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 243, 248) }
```

Border

The CSS property to change the border of an element to Yxy 75.7840, 0.2494, 0.3230 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(132, 243, 248) }
```

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

```
.border{ border-color:rgb(132, 243, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 243, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 243, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 243, 248); box-shadow:4px 4px 4px 4px rgb(132, 243, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7840, 0.2494, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 243, 248) }
```

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

```
.background{ background-color: rgb(132,  
243, 248) }
```

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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