

Converting Colors

$Yxy(67.4772, 0.2479, 0.3215)$

Have a look what the booklet for
Yxy(67.4772, 0.2479, 0.3215)
contains.

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Color

Yxy(67.4772, 0.2479, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	7BE7ED
RGB	123, 231, 237
RGB Percent	48%, 91%, 93%
CMY	0.5175, 0.0941, 0.0707
CMYK	0.48, 0.03, 0.00, 0.07
HSL	183°, 76%, 71%
HSV	183°, 48%, 93%
XYZ	52.0299, 67.4772, 90.3754
YIQ	199.3920, -66.2940, -21.0300

Conversions

Conversions Part 2

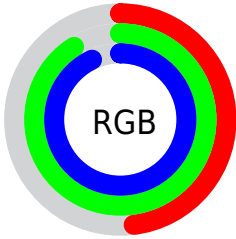
Format	Color
RYB	123, 178, 237
Decimal	8120301
CIELab	85.74, -29.54, -12.54
CIELCh	86, 32.087, 202.998
Yxy	67.4772, 0.2479, 0.3215
Android (android.graphics.Color)	4286310381 (0xFF7BE7ED)
YUV	199.3920, 18.5407, -66.9958
Hunter-Lab	82.1445, -30.6920, -7.7297

Details

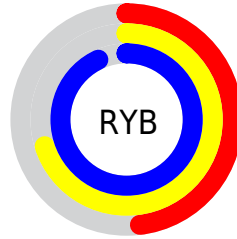
The Yxy color **67.4772, 0.2479, 0.3215** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.1309, 0.4432, 0.3360**, and the grayscale version is **57.2864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **34.9568, 0.2330, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **65.2461, 0.2386, 0.3197**, and if you desaturate by 10%, it is **70.1414, 0.2589, 0.3232**.

Distribution



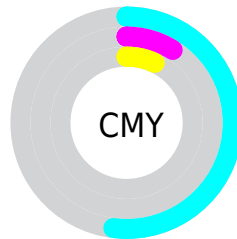
- Red (48%)
- Green (91%)
- Blue (93%)



- Red (48%)
- Yellow (70%)
- Blue (93%)



- Cyan (48%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)




- Cyan (52%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4772, 0.2479, 0.3215 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 67.4772, 0.2479, 0.3215 by changing the saturation by 10% instead.


 67.4772, 0.2479,
0.3215

 67.4772, 0.2479,
0.3215


451.6415, 0.2776,
0.3258


 49.4725, 0.2412,
0.3203


 115.6039, 0.2581,
0.3231

 34.9945, 0.2330,
0.3188


 146.4948, 0.2621,
0.3237

 23.6586, 0.2227,
0.3167


 182.4498, 0.2656,
0.3242

 15.0806, 0.2095,
0.3136

223.8534, 0.2686,
0.3246

 8.8760, 0.1918,
0.3090

271.0900, 0.2713,
0.3250

 4.6604, 0.1673,
0.3014

324.5439, 0.2736,

 2.0494, 0.1317,

0.3253

0.2874

384.5996, 0.2757,
0.3255

■ 0.6359, 0.0000,
0.2718

■ 0.0000, 0.0000,
0.0000

■ 67.4772, 0.2479,
0.3215

■ 67.4772, 0.2479,
0.3215

■ 65.2461, 0.2386,
0.3197

■ 70.1414, 0.2589,
0.3232

■ 63.4092, 0.2313,
0.3179


■ 73.2587, 0.2715,
0.3249


■ 61.9339, 0.2258,
0.3162


■ 76.8575, 0.2854,
0.3264


■ 60.7784, 0.2223,
0.3144

■ 80.9612, 0.3002,
0.3279

 59.8851, 0.2204,
0.3127


 85.5920, 0.3157,
0.3293

 59.7270, 0.2201,
0.3123

 88.7806, 0.3247,
0.3305

 89.5070, 0.3246,
0.3317

 90.2385, 0.3245,
0.3329

 90.9750, 0.3244,
0.3341

Harmonies

Analogous

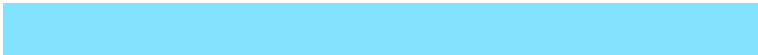
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.4772, 0.2731, 0.3603



67.4772, 0.2479, 0.3215



67.4772, 0.2393, 0.2882

Triad

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



67.4772, 0.2479, 0.3215



67.4772, 0.3116, 0.2765



67.4772, 0.3794, 0.3886

Complementary

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



67.4772, 0.2479, 0.3215



35.1309, 0.4432, 0.3360

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.



67.4772, 0.3920, 0.3624



67.4772, 0.2479, 0.3215



67.4772, 0.3516, 0.2997

Square

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



67.4772, 0.2479, 0.3215



67.4772, 0.2743, 0.2652



67.4772, 0.3818, 0.3303



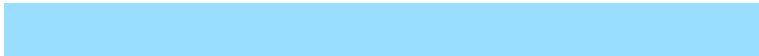
67.4772, 0.3489, 0.4004

Rectangle

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



67.4772, 0.2479, 0.3215



67.4772, 0.2436, 0.2735



67.4772, 0.3818, 0.3303



67.4772, 0.3859, 0.3810

Sweetspot

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



67.4798, 0.2479, 0.3215



92.6603, 0.2913, 0.3270



66.3403, 0.3028, 0.4739



19.6142, 0.2881, 0.3267



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.



67.4798, 0.2479, 0.3215



77.0322, 0.2385, 0.3197



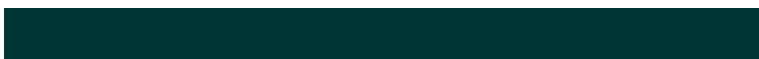
40.7170, 0.2338, 0.2463



16.9789, 0.2981, 0.3277



32.6815, 0.2202, 0.3126



2.6078, 0.2208, 0.3150

Inverse Universe

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



37.9442, 0.3237, 0.2177



38.5277, 0.3262, 0.1984



54.4208, 0.4095, 0.3981



15.2994, 0.3146, 0.3070



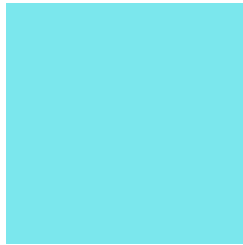
12.7920, 0.3345, 0.1616



1.0087, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 67.4772, 0.2479, 0.3215 looks on a white background.

Color Contrast Check

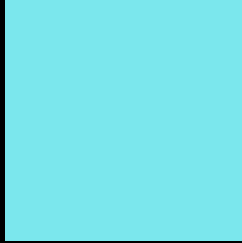
Large Text (above 18pt) WCAG AA × Fail

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 67.4772, 0.2479, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

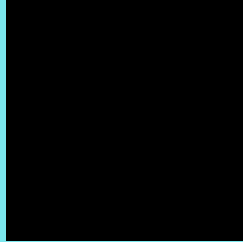
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4772, 0.2479, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 67.4772, 0.2479, 0.3215.

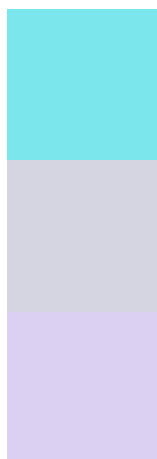


This preview shows how white text looks on a background with the Yxy color 67.4772, 0.2479, 0.3215.

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

67.4772, 0.2479, 0.3215

Protanopia

66.6693, 0.3047, 0.3146

Deuteranopia

66.7382, 0.2985, 0.2925



Tritanopia

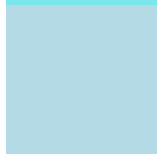
67.3280, 0.2441, 0.3060

Trichromacy



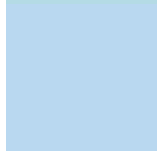
Original Color

67.4772, 0.2479, 0.3215



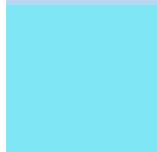
Protanomaly

66.0235, 0.2801, 0.3172



Deuteranomaly

65.7173, 0.2766, 0.3015



Tritanomaly

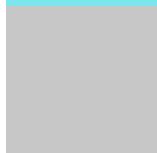
67.5609, 0.2457, 0.3119

Monochromacy



Original Color

67.4772, 0.2479, 0.3215



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.0506, 0.2832, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4772, 0.2479, 0.3215 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, 231, 237)` looks like.

```
.text, #text, p{  
    color:rgb(123, 231, 237)  
}
```

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, 231, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 231, 237) }
```

Border

The CSS property to change the border of an element to Yxy 67.4772, 0.2479, 0.3215 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, 231, 237) }
```

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

```
.border{ border-color:rgb(123, 231, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 231, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 231, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 231, 237);  
box-shadow:4px 4px 4px 4px rgb(123, 231,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4772, 0.2479, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 231, 237) }
```

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

```
.background{ background-color: rgb(123,  
231, 237) }
```

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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