

Converting Colors

$Yxy(70.4461, 0.2480, 0.3299)$

Have a look what the booklet for
Yxy(70.4461, 0.2480, 0.3299)
contains.

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Color

Yxy(70.5464, 0.2481, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	77EDEC
RGB	119, 237, 236
RGB Percent	47%, 93%, 93%
CMY	0.5332, 0.0706, 0.0744
CMYK	0.50, 0.00, 0.00, 0.07
HSL	180°, 77%, 70%
HSV	180°, 50%, 93%
XYZ	53.0381, 70.5464, 90.1925
YIQ	201.6040, -70.0070, -25.3270

Conversions

Conversions Part 2

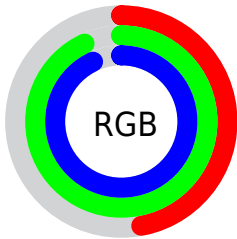
Format	Color
RYB	119, 178, 237
Decimal	7859692
CIELab	87.26, -33.46, -9.79
CIELCh	87, 34.865, 196.307
Yxy	70.5464, 0.2481, 0.3300
Android (android.graphics.Color)	4286049772 (0xFF77EDEC)
YUV	201.6040, 16.9572, -72.4437
Hunter-Lab	83.9919, -34.2691, -4.8727

Details

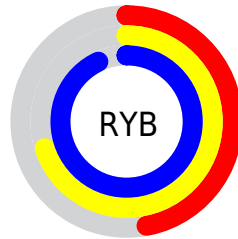
The Yxy color **70.5464, 0.2481, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **32.5641, 0.4529, 0.3284**, and the grayscale version is **58.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **37.0999, 0.2336, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **69.0641, 0.2398, 0.3302**, and if you desaturate by 10%, it is **72.4522, 0.2582, 0.3298**.

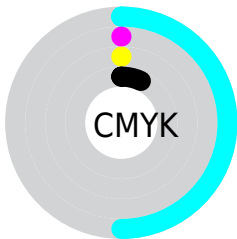
Distribution



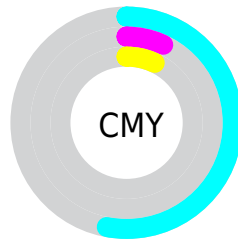
- Red (47%)
- Green (93%)
- Blue (93%)



- Red (47%)
- Yellow (70%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5464, 0.2481, 0.3300 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 70.5464, 0.2481, 0.3300 by changing the saturation by 10% instead.


 70.5464, 0.2481,
0.3300

 70.5464, 0.2481,
0.3300


462.4662, 0.2776,
0.3302

 51.9721, 0.2415,
0.3298


 119.9876, 0.2582,
0.3302

 36.9828, 0.2334,
0.3294


 151.6234, 0.2622,
0.3303

 25.1942, 0.2233,
0.3288


 188.3817, 0.2656,
0.3303

 16.2218, 0.2104,
0.3278

230.6470, 0.2686,
0.3303

 9.6812, 0.1931,
0.3259

278.8037, 0.2712,
0.3303

 5.1881, 0.1693,
0.3224

333.2362, 0.2736,

 2.3581, 0.1349,

0.3303

0.3149

394.3289, 0.2757,
0.3303

0.8042, 0.0000,
0.3223

0.0000, 0.0000,
0.0000

70.5464, 0.2481,
0.3300

70.5464, 0.2481,
0.3300

69.0641, 0.2398,
0.3302

72.4522, 0.2582,
0.3298

67.9654, 0.2335,
0.3305


74.8018, 0.2701,
0.3295


67.2170, 0.2291,
0.3308


77.6238, 0.2833,
0.3293


66.7759, 0.2265,
0.3310

80.9422, 0.2978,
0.3292

 66.5708, 0.2254,
0.3313

 84.7791, 0.3131,
0.3290

 66.5671, 0.2254,
0.3313

 87.9530, 0.3247,
0.3288

 87.9645, 0.3245,
0.3286

 87.9760, 0.3244,
0.3285

 87.9875, 0.3243,
0.3283

Harmonies

Analogous

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



70.5464, 0.2782, 0.3712



70.5464, 0.2481, 0.3300



70.5464, 0.2349, 0.2920

Triad

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



70.5464, 0.2481, 0.3300



70.5464, 0.3019, 0.2692



70.5464, 0.3889, 0.3872

Complementary

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



70.5464, 0.2481, 0.3300



32.5641, 0.4529, 0.3284

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.



70.5464, 0.3973, 0.3569



70.5464, 0.2481, 0.3300



70.5464, 0.3451, 0.2914

Square

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



70.5464, 0.2481, 0.3300



70.5464, 0.2642, 0.2604



70.5464, 0.3810, 0.3226



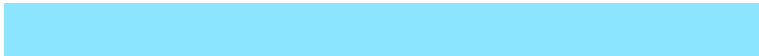
70.5464, 0.3597, 0.4045

Rectangle

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



70.5464, 0.2481, 0.3300



70.5464, 0.2366, 0.2740



70.5464, 0.3810, 0.3226



70.5464, 0.3944, 0.3781

Sweetspot

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



70.5491, 0.2481, 0.3300



93.4330, 0.2900, 0.3293



65.9653, 0.3063, 0.4869



19.8247, 0.2870, 0.3293



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.



70.5491, 0.2481, 0.3300



81.4834, 0.2395, 0.3303



42.6758, 0.2332, 0.2537



17.1196, 0.2982, 0.3292



36.3451, 0.2254, 0.3312



2.8547, 0.2253, 0.3309

Inverse Universe

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



32.5641, 0.4529, 0.3284



31.7474, 0.5012, 0.3284



50.4087, 0.4184, 0.3921



15.0561, 0.3292, 0.3289



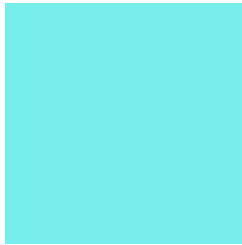
9.8331, 0.6392, 0.3295



0.7728, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 70.5464, 0.2481, 0.3300 looks on a white background.

Color Contrast Check

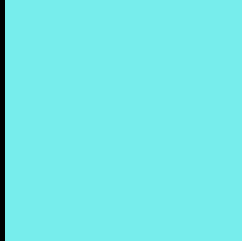
Large Text (above 18pt) WCAG AA × Fail

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 70.5464, 0.2481, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

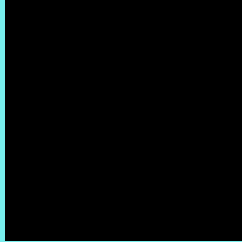
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5464, 0.2481, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 70.5464, 0.2481, 0.3300.

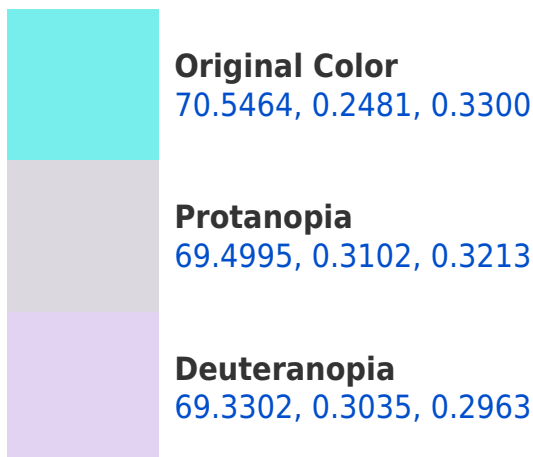


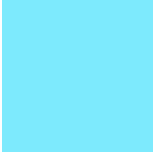
This preview shows how white text looks on a background with the Yxy color 70.5464, 0.2481, 0.3300.

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

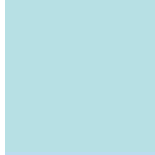
70.2975, 0.2423, 0.3063

Trichromacy



Original Color

70.5464, 0.2481, 0.3300



Protanomaly

68.9800, 0.2830, 0.3243



Deuteranomaly

68.1690, 0.2789, 0.3063



Tritanomaly

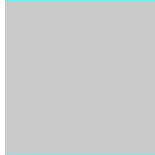
70.3430, 0.2444, 0.3145

Monochromacy



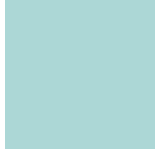
Original Color

70.5464, 0.2481, 0.3300



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.2266, 0.2836, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5464, 0.2481, 0.3300 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(119, 237, 236)` looks like.

```
.text, #text, p{  
    color:rgb(119, 237, 236)  
}
```

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(119, 237, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 237, 236) }
```

Border

The CSS property to change the border of an element to Yxy 70.5464, 0.2481, 0.3300 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(119, 237, 236) }
```

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

```
.border{ border-color:rgb(119, 237, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 237, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 237, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 237, 236);  
box-shadow:4px 4px 4px 4px rgb(119, 237,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5464, 0.2481, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 237, 236) }
```

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

```
.background{ background-color: rgb(119,  
237, 236) }
```

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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