

Converting Colors

$Y_{xy}(71.0539, 0.2482, 0.3307)$

Have a look what the booklet for
Yxy(71.0539, 0.2482, 0.3307)
contains.

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Color

Yxy(71.1271, 0.2483, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	77EEEC
RGB	119, 238, 236
RGB Percent	47%, 93%, 93%
CMY	0.5334, 0.0667, 0.0744
CMYK	0.50, 0.00, 0.01, 0.07
HSL	179°, 78%, 70%
HSV	179°, 50%, 93%
XYZ	53.3238, 71.1271, 90.3048
YIQ	202.1910, -70.2820, -25.8500

Conversions

Conversions Part 2

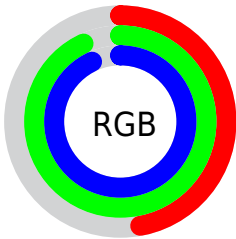
Format	Color
RYB	119, 179, 238
Decimal	7859948
CIELab	87.55, -33.94, -9.38
CIELCh	88, 35.214, 195.448
Yxy	71.1271, 0.2483, 0.3312
Android (android.graphics.Color)	4286050028 (0xFF77EEEC)
YUV	202.1910, 16.6678, -72.9585
Hunter-Lab	84.3369, -34.7290, -4.4497

Details

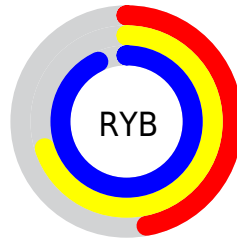
The Yxy color **71.1271, 0.2483, 0.3312** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **32.7441, 0.4528, 0.3273**, and the grayscale version is **59.1136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **37.5081, 0.2340, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **69.6292, 0.2401, 0.3317**, and if you desaturate by 10%, it is **73.0521, 0.2583, 0.3307**.

Distribution



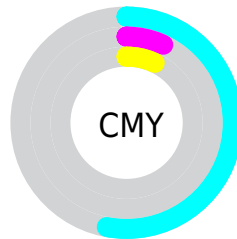
- Red (47%)
- Green (93%)
- Blue (93%)



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



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1271, 0.2483, 0.3312 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 71.1271, 0.2483, 0.3312 by changing the saturation by 10% instead.

 71.1271, 0.2483,
0.3312


 71.1271, 0.2483,
0.3312


464.4976, 0.2776,
0.3309


 52.4459, 0.2417,
0.3311


 120.8147, 0.2584,
0.3312

 37.3606, 0.2337,
0.3309


 152.5899, 0.2623,
0.3312

 25.4868, 0.2237,
0.3305


 189.4985, 0.2657,
0.3311

 16.4401, 0.2108,
0.3298

231.9251, 0.2687,
0.3311

 9.8361, 0.1937,
0.3284

280.2538, 0.2713,
0.3310

 5.2904, 0.1700,
0.3255

334.8693, 0.2737,

 2.4187, 0.1359,

0.3310

396.1557, 0.2758,
0.3309

0.3190

0.8355, 0.0000,
0.3296

0.0000, 0.0000,
0.0000

71.1271, 0.2483,
0.3312

71.1271, 0.2483,
0.3312

69.6292, 0.2401,
0.3317

73.0521, 0.2583,
0.3307

68.5180, 0.2339,
0.3322

75.4247, 0.2701,
0.3302

67.7596, 0.2296,
0.3328

78.2740, 0.2832,
0.3298


67.3103, 0.2271,
0.3333

81.6240, 0.2975,
0.3294

 67.0963, 0.2261,
0.3338

 85.4975, 0.3127,
0.3290

 88.6077, 0.3238,
0.3287

 88.6308, 0.3236,
0.3283

 88.6540, 0.3233,
0.3279

 88.6773, 0.3231,
0.3275

Harmonies

Analogous

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



71.1271, 0.2791, 0.3726



71.1271, 0.2483, 0.3312



71.1271, 0.2345, 0.2927

Triad

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



71.1271, 0.2483, 0.3312



71.1271, 0.3006, 0.2684



71.1271, 0.3900, 0.3869

Complementary

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



71.1271, 0.2483, 0.3312



32.7441, 0.4528, 0.3273

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.



71.1271, 0.3978, 0.3561



71.1271, 0.2483, 0.3312



71.1271, 0.3441, 0.2903

Square

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



71.1271, 0.2483, 0.3312



71.1271, 0.2630, 0.2599



71.1271, 0.3807, 0.3215



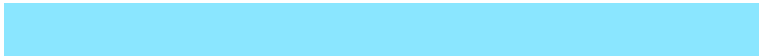
71.1271, 0.3610, 0.4048

Rectangle

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



71.1271, 0.2483, 0.3312



71.1271, 0.2359, 0.2742



71.1271, 0.3807, 0.3215



71.1271, 0.3953, 0.3775

Sweetspot

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



71.1299, 0.2483, 0.3312



93.4129, 0.2902, 0.3296



66.5445, 0.3063, 0.4878



19.8198, 0.2872, 0.3297



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.



71.1299, 0.2483, 0.3312



81.4033, 0.2400, 0.3317



42.9270, 0.2328, 0.2533



17.9242, 0.2983, 0.3294



37.4336, 0.2260, 0.3337



3.1156, 0.2259, 0.3330

Inverse Universe

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



32.7441, 0.4528, 0.3273



31.7729, 0.4996, 0.3272



50.7581, 0.4191, 0.3924



15.7631, 0.3291, 0.3287



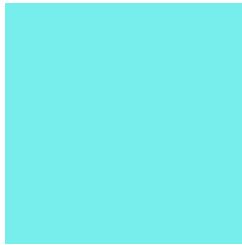
10.1477, 0.6383, 0.3290



0.8457, 0.6337, 0.3264

Previews

White Background



This preview shows how the Yxy color 71.1271, 0.2483, 0.3312 looks on a white background.

Color Contrast Check

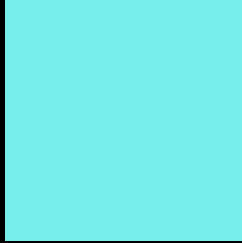
Large Text (above 18pt) WCAG AA × Fail

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 71.1271, 0.2483, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

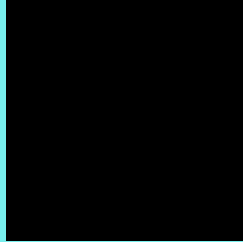
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

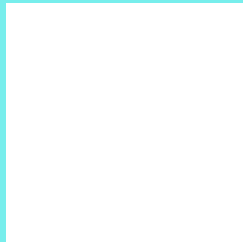
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.1271, 0.2483, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 71.1271, 0.2483, 0.3312.

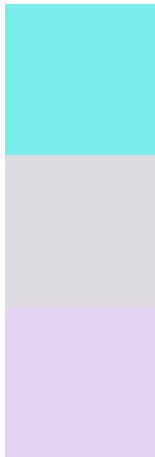


This preview shows how white text looks on a background with the Yxy color 71.1271, 0.2483, 0.3312.

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

71.1271, 0.2483, 0.3312

Protanopia

70.1691, 0.3109, 0.3225

Deuteranopia

69.9918, 0.3041, 0.2975



Tritanopia

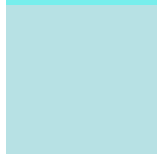
70.9324, 0.2421, 0.3064

Trichromacy



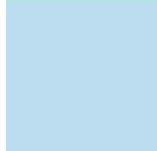
Original Color

71.1271, 0.2483, 0.3312



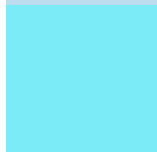
Protanomaly

69.5191, 0.2830, 0.3255



Deuteranomaly

68.6955, 0.2789, 0.3075



Tritanomaly

70.9173, 0.2446, 0.3157

Monochromacy



Original Color

71.1271, 0.2483, 0.3312



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 71.1271, 0.2483, 0.3312 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, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 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, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 236) }
```

Border

The CSS property to change the border of an element to Yxy 71.1271, 0.2483, 0.3312 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, 238, 236) }
```

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

```
.border{ border-color:rgb(119, 238, 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, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 236);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1271, 0.2483, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 236) }
```

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

```
.background{ background-color: rgb(119,  
238, 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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