

Converting Colors

$Yxy(70.8288, 0.2606, 0.3473)$

Have a look what the booklet for
Yxy(70.8288, 0.2606, 0.3473)
contains.

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Color

Yxy(70.8288, 0.2606, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	85EDDE
RGB	133, 237, 222
RGB Percent	52%, 93%, 87%
CMY	0.4782, 0.0706, 0.1295
CMYK	0.44, 0.00, 0.06, 0.07
HSL	171°, 74%, 73%
HSV	171°, 44%, 93%
XYZ	53.1471, 70.8288, 79.9654
YIQ	204.1940, -57.1690, -26.7130

Conversions

Conversions Part 2

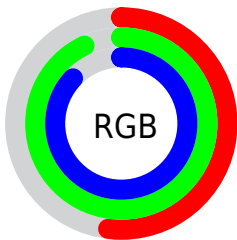
Format	Color
RYB	133, 189, 237
Decimal	8777182
CIELab	87.40, -33.77, -2.17
CIELCh	87, 33.843, 183.669
Yxy	70.8288, 0.2606, 0.3473
Android (android.graphics.Color)	4286967262 (0xFF85EDDE)
YUV	204.1940, 8.7784, -62.4371
Hunter-Lab	84.1598, -34.5567, 2.5769

Details

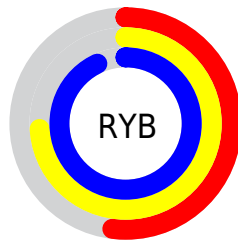
The Yxy color **70.8288, 0.2606, 0.3473** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.9373, 0.4117, 0.3124**, and the grayscale version is **60.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **37.2936, 0.2484, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **68.9325, 0.2522, 0.3522**, and if you desaturate by 10%, it is **73.1696, 0.2706, 0.3426**.

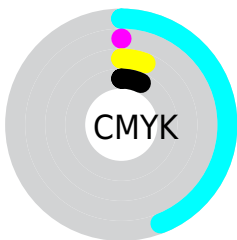
Distribution



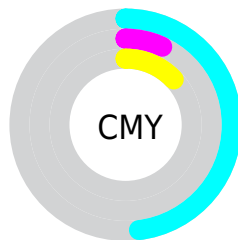
- Red (52%)
- Green (93%)
- Blue (87%)



- Red (52%)
- Yellow (74%)
- Blue (93%)



- Cyan (44%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (48%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8288, 0.2606, 0.3473 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 70.8288, 0.2606, 0.3473 by changing the saturation by 10% instead.


 70.8288, 0.2606,
0.3473


 70.8288, 0.2606,
0.3473

463.4547, 0.2846,
0.3390


 52.2025, 0.2551,
0.3491


 120.3899, 0.2689,
0.3445

 37.1665, 0.2484,
0.3514

 152.0935, 0.2721,
0.3433

 25.3364, 0.2400,
0.3542


 188.9250, 0.2749,
0.3424

 16.3279, 0.2289,
0.3578

231.2688, 0.2774,
0.3415

 9.7565, 0.2141,
0.3626

279.5093, 0.2795,
0.3408

 5.2378, 0.1931,
0.3691

334.0308, 0.2814,

 2.3874, 0.1613,

0.3401

0.3784

395.2179, 0.2831,
0.3395

0.8194, 0.0000,
0.4393

0.0000, 0.0000,
0.0000

70.8288, 0.2606,
0.3473

70.8288, 0.2606,
0.3473

68.9325, 0.2522,
0.3522

73.1696, 0.2706,
0.3426

67.4427, 0.2457,
0.3573


75.9735, 0.2819,
0.3382


66.3288, 0.2410,
0.3624


79.2679, 0.2943,
0.3341


65.5523, 0.2384,
0.3676

83.0757, 0.3075,
0.3304


 65.0661, 0.2376,
0.3727


 87.4186, 0.3211,
0.3270

 64.8673, 0.2377,
0.3758

 88.2691, 0.3213,
0.3236

 88.4773, 0.3191,
0.3203

 88.6894, 0.3170,
0.3170

 88.9055, 0.3149,
0.3138

Harmonies

Analogous

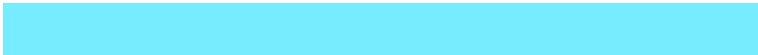
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8288, 0.2953, 0.3838



70.8288, 0.2606, 0.3473



70.8288, 0.2403, 0.3076

Triad

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



70.8288, 0.2606, 0.3473



70.8288, 0.2856, 0.2655



70.8288, 0.3929, 0.3742

Complementary

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



70.8288, 0.2606, 0.3473



36.9373, 0.4117, 0.3124

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.



70.8288, 0.3909, 0.3422



70.8288, 0.2606, 0.3473



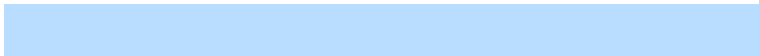
70.8288, 0.3266, 0.2820

Square

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



70.8288, 0.2606, 0.3473



70.8288, 0.2540, 0.2634



70.8288, 0.3660, 0.3093



70.8288, 0.3722, 0.3974

Rectangle

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



70.8288, 0.2606, 0.3473



70.8288, 0.2368, 0.2860



70.8288, 0.3660, 0.3093



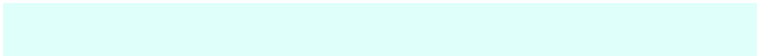
70.8288, 0.3949, 0.3641

Sweetspot

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



70.8316, 0.2606, 0.3473



93.9413, 0.2954, 0.3338



68.6190, 0.3156, 0.4622



19.9095, 0.2925, 0.3347



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.



70.8316, 0.2606, 0.3473



81.5282, 0.2527, 0.3519



52.7027, 0.2456, 0.2828



17.0823, 0.3000, 0.3324



35.4312, 0.2375, 0.3750



2.7924, 0.2355, 0.3679

Inverse Universe

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



36.9373, 0.4117, 0.3124



36.5319, 0.4460, 0.3096



48.2395, 0.4098, 0.3700



15.0895, 0.3270, 0.3256



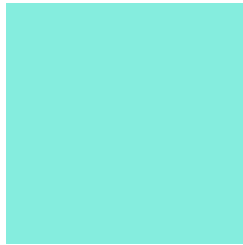
9.9051, 0.6203, 0.3191



0.7888, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 70.8288, 0.2606, 0.3473 looks on a white background.

Color Contrast Check

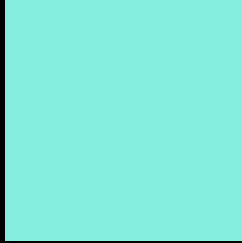
Large Text (above 18pt) WCAG AA × Fail

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 70.8288, 0.2606, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

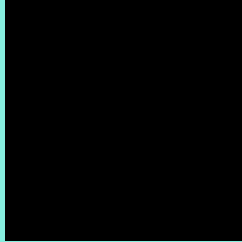
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8288, 0.2606, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 70.8288, 0.2606, 0.3473.

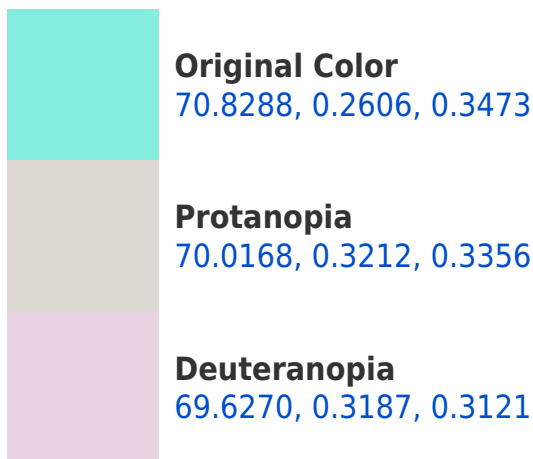


This preview shows how white text looks on a background with the Yxy color 70.8288, 0.2606, 0.3473.

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

70.9056, 0.2498, 0.3078

Trichromacy



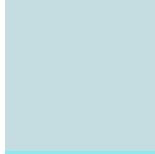
Original Color

70.8288, 0.2606, 0.3473



Protanomaly

69.1648, 0.2952, 0.3394



Deuteranomaly

68.4930, 0.2936, 0.3233



Tritanomaly

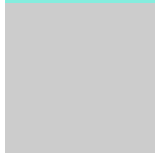
70.5402, 0.2537, 0.3217

Monochromacy



Original Color

70.8288, 0.2606, 0.3473



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.2799, 0.2894, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8288, 0.2606, 0.3473 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(133, 237, 222)` looks like.

```
.text, #text, p{  
    color:rgb(133, 237, 222)  
}
```

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(133, 237, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 237, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.8288, 0.2606, 0.3473 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(133, 237, 222) }
```

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

```
.border{ border-color:rgb(133, 237, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 237, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 237, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 237, 222);  
box-shadow:4px 4px 4px 4px rgb(133, 237,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8288, 0.2606, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 237, 222) }
```

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

```
.background{ background-color: rgb(133,  
237, 222) }
```

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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