

Converting Colors

$Y_{xy}(73.3230, 0.2661, 0.3716)$

Have a look what the booklet for
Yxy(73.3230, 0.2661, 0.3716)
contains.

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Color

Yxy(73.3718, 0.2661, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	81F3D1
RGB	129, 243, 209
RGB Percent	51%, 95%, 82%
CMY	0.4942, 0.0470, 0.1803
CMYK	0.47, 0.00, 0.14, 0.05
HSL	162°, 83%, 73%
HSV	162°, 47%, 95%
XYZ	52.6118, 73.3718, 71.7308
YIQ	205.0380, -57.0300, -34.7420

Conversions

Conversions Part 2

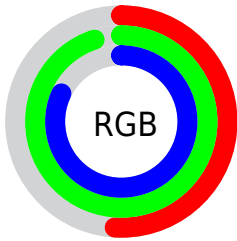
Format	Color
RYB	129, 196, 243
Decimal	8516561
CIELab	88.62, -40.43, 6.36
CIELCh	89, 40.930, 171.057
Yxy	73.3718, 0.2661, 0.3711
Android (android.graphics.Color)	4286706641 (0xFF81F3D1)
YUV	205.0380, 1.9533, -66.6853
Hunter-Lab	85.6573, -40.2635, 10.3098

Details

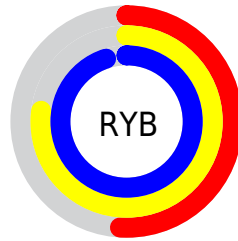
The Yxy color **73.3718, 0.2661, 0.3711** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.3908, 0.4019, 0.2923**, and the grayscale version is **61.0886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **38.7496, 0.2547, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **71.3426, 0.2595, 0.3820**, and if you desaturate by 10%, it is **75.8755, 0.2742, 0.3608**.

Distribution



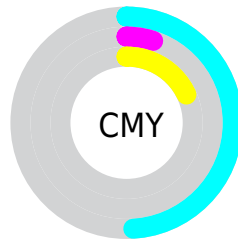
- Red (51%)
- Green (95%)
- Blue (82%)



- Red (51%)
- Yellow (77%)
- Blue (95%)



- Cyan (47%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)





- Cyan (49%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3718, 0.2661, 0.3711 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 73.3718, 0.2661, 0.3711 by changing the saturation by 10% instead.

 73.3718, 0.2661,
0.3711


 73.3718, 0.2661,
0.3711


472.3024, 0.2878,
0.3512


 54.2800, 0.2611,
0.3758


 124.0049, 0.2737,
0.3641

 38.8256, 0.2550,
0.3816


 156.3150, 0.2766,
0.3614

 26.6241, 0.2471,
0.3890


 193.8000, 0.2791,
0.3591

 17.2911, 0.2369,
0.3990

236.8443, 0.2813,
0.3571

 10.4423, 0.2229,
0.4127

285.8323, 0.2832,
0.3553

 5.6932, 0.2028,
0.4331

341.1484, 0.2849,

 2.6594, 0.1717,

0.3538

0.4662

403.1770, 0.2864,
0.3524

■ 0.9566, 0.0000,
0.6166

■ 0.0000, 0.0000,
0.0000

■ 73.3718, 0.2661,
0.3711

■ 73.3718, 0.2661,
0.3711

■ 71.3426, 0.2595,
0.3820

■ 75.8755, 0.2742,
0.3608

■ 69.7464, 0.2548,
0.3932


■ 78.8746, 0.2836,
0.3511


■ 68.5489, 0.2520,
0.4046


■ 82.3991, 0.2939,
0.3423


■ 67.7065, 0.2513,
0.4161

■ 86.4741, 0.3049,
0.3341

 67.1638, 0.2524,
0.4274

 91.1231, 0.3162,
0.3268

 67.0303, 0.2530,
0.4308

 92.4230, 0.3148,
0.3199

 92.5849, 0.3133,
0.3175

Harmonies

Analogous

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



73.3718, 0.3115, 0.4083



73.3718, 0.2661, 0.3711



73.3718, 0.2346, 0.3219

Triad

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



73.3718, 0.2661, 0.3711



73.3718, 0.2627, 0.2510



73.3718, 0.4111, 0.3662

Complementary

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



73.3718, 0.2661, 0.3711



37.3908, 0.4019, 0.2923

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.



73.3718, 0.3968, 0.3272



73.3718, 0.2661, 0.3711



73.3718, 0.3077, 0.2638

Square

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



73.3718, 0.2661, 0.3711



73.3718, 0.2331, 0.2559



73.3718, 0.3577, 0.2909



73.3718, 0.3965, 0.4000

Rectangle

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



73.3718, 0.2661, 0.3711



73.3718, 0.2247, 0.2924



73.3718, 0.3577, 0.2909



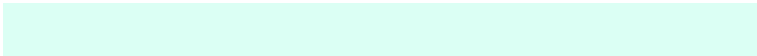
73.3718, 0.4096, 0.3533

Sweetspot

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



73.3747, 0.2661, 0.3711



93.1804, 0.2970, 0.3398



73.4947, 0.3260, 0.4684



19.7432, 0.2947, 0.3416



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.



73.3747, 0.2661, 0.3711



79.7544, 0.2600, 0.3811



62.4272, 0.2452, 0.3009



18.6688, 0.3020, 0.3361



36.8114, 0.2525, 0.4290



3.2534, 0.2486, 0.4149

Inverse Universe

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



37.3908, 0.4019, 0.2923



35.2505, 0.4301, 0.2863



43.0243, 0.4291, 0.3542



16.5638, 0.3247, 0.3220



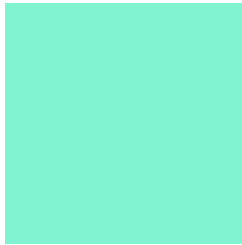
10.7381, 0.5771, 0.2953



0.9611, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 73.3718, 0.2661, 0.3711 looks on a white background.

Color Contrast Check

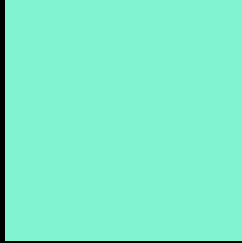
Large Text (above 18pt) WCAG AA × Fail

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 73.3718, 0.2661, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

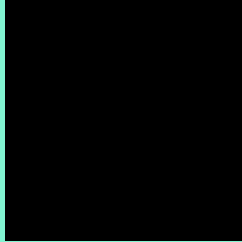
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3718, 0.2661, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 73.3718, 0.2661, 0.3711.

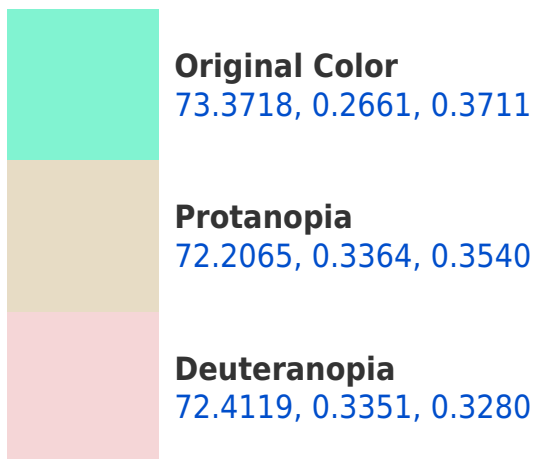


This preview shows how white text looks on a background with the Yxy color 73.3718, 0.2661, 0.3711.

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

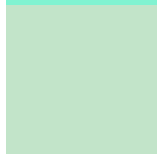
73.1402, 0.2499, 0.3070

Trichromacy



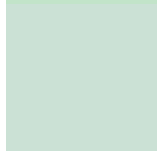
Original Color

73.3718, 0.2661, 0.3711



Protanomaly

71.1732, 0.3065, 0.3603



Deuteranomaly

71.3510, 0.3052, 0.3426



Tritanomaly

73.3950, 0.2561, 0.3300

Monochromacy



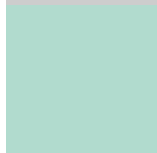
Original Color

73.3718, 0.2661, 0.3711



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.4664, 0.2920, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3718, 0.2661, 0.3711 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(129, 243, 209)` looks like.

```
.text, #text, p{  
    color:rgb(129, 243, 209)  
}
```

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(129, 243, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 243, 209) }
```

Border

The CSS property to change the border of an element to Yxy 73.3718, 0.2661, 0.3711 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(129, 243, 209) }
```

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

```
.border{ border-color:rgb(129, 243, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 243, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 243, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 243, 209);  
box-shadow:4px 4px 4px 4px rgb(129, 243,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3718, 0.2661, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 243, 209) }
```

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

```
.background{ background-color: rgb(129,  
243, 209) }
```

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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