

Converting Colors

$Y_{xy}(73.1083, 0.2600, 0.3416)$

Have a look what the booklet for
Yxy(73.1083, 0.2600, 0.3416)
contains.

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Color

Yxy(73.3806, 0.2600, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	8AF0E5
RGB	138, 240, 229
RGB Percent	54%, 94%, 90%
CMY	0.4592, 0.0587, 0.1020
CMYK	0.43, 0.00, 0.05, 0.06
HSL	174°, 77%, 74%
HSV	174°, 43%, 94%
XYZ	55.7701, 73.3806, 85.3497
YIQ	208.2480, -57.2610, -25.0450

Conversions

Conversions Part 2

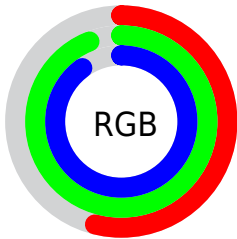
Format	Color
R _Y B	138, 192, 240
Decimal	9105637
CIE Lab	88.63, -32.39, -4.01
CIE LCh	89, 32.642, 187.061
Yxy	73.3806, 0.2600, 0.3421
Android (android.graphics.Color)	4287295717 (0xFF8AF0E5)
YUV	208.2480, 10.2307, -61.6075
Hunter-Lab	85.6625, -33.6978, 0.8902

Details

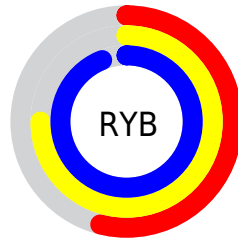
The Yxy color **73.3806, 0.2600, 0.3421** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.8426, 0.4117, 0.3170**, and the grayscale version is **63.1917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **39.0424, 0.2481, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **71.4158, 0.2511, 0.3457**, and if you desaturate by 10%, it is **75.8056, 0.2705, 0.3387**.

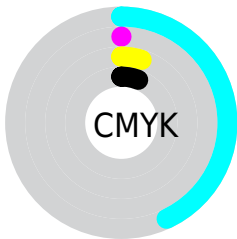
Distribution



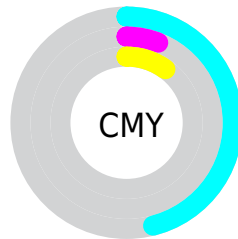
- Red (54%)
- Green (94%)
- Blue (90%)



- Red (54%)
- Yellow (75%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)




- Cyan (46%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3806, 0.2600, 0.3421 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 73.3806, 0.2600, 0.3421 by changing the saturation by 10% instead.


 73.3806, 0.2600,
0.3421


 73.3806, 0.2600,
0.3421


472.3328, 0.2841,
0.3364

 54.2872, 0.2546,
0.3433


 124.0174, 0.2683,
0.3402

 38.8313, 0.2479,
0.3448


 156.3296, 0.2715,
0.3394

 26.6285, 0.2396,
0.3466


193.8168, 0.2743,
0.3387

 17.2944, 0.2288,
0.3488

236.8635, 0.2768,
0.3382

 10.4446, 0.2144,
0.3517

285.8541, 0.2789,
0.3376

 5.6948, 0.1942,
0.3553


341.1729, 0.2808,

 2.6604, 0.1641,


0.3372


0.3598


403.2044, 0.2826,
0.3367

 0.9571, 0.0480,
0.3922


 0.0000, 0.0000,
0.0000


 73.3806, 0.2600,
0.3421


 73.3806, 0.2600,
0.3421


 71.4158, 0.2511,
0.3457


 75.8056, 0.2705,
0.3387


 69.8722, 0.2440,
0.3494


 78.7094, 0.2824,
0.3354

 68.7191, 0.2389,
0.3532


 82.1202, 0.2954,
0.3324


 67.9173, 0.2357,
0.3569


 86.0615, 0.3091,
0.3297

 67.4199, 0.2344,
0.3607

 90.0002, 0.3214,
0.3272

 67.1931, 0.2343,
0.3634

 90.1569, 0.3198,
0.3246

 90.3159, 0.3182,
0.3221

 90.4771, 0.3166,
0.3196

 90.6405, 0.3150,
0.3172

Harmonies

Analogous

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



73.3806, 0.2919, 0.3778



73.3806, 0.2600, 0.3421



73.3806, 0.2424, 0.3048

Triad

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



73.3806, 0.2600, 0.3421



73.3806, 0.2910, 0.2694



73.3806, 0.3879, 0.3755

Complementary

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



73.3806, 0.2600, 0.3421



38.8426, 0.4117, 0.3170

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.



73.3806, 0.3886, 0.3454



73.3806, 0.2600, 0.3421



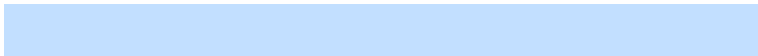
73.3806, 0.3306, 0.2866

Square

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



73.3806, 0.2600, 0.3421



73.3806, 0.2594, 0.2657



73.3806, 0.3671, 0.3137



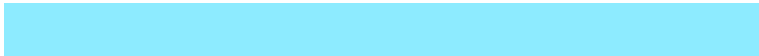
73.3806, 0.3662, 0.3958

Rectangle

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



73.3806, 0.2600, 0.3421



73.3806, 0.2403, 0.2852



73.3806, 0.3671, 0.3137



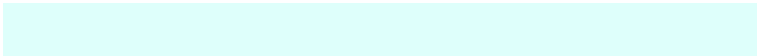
73.3806, 0.3907, 0.3661

Sweetspot

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



73.3835, 0.2600, 0.3421



94.0176, 0.2947, 0.3326



70.6301, 0.3135, 0.4586



19.9285, 0.2918, 0.3332



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.



73.3835, 0.2600, 0.3421



82.2248, 0.2522, 0.3452



53.4003, 0.2467, 0.2800



17.8978, 0.2995, 0.3315



36.7875, 0.2341, 0.3628



3.0687, 0.2328, 0.3579

Inverse Universe

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



38.8426, 0.4117, 0.3170



37.7783, 0.4439, 0.3150



51.8218, 0.4044, 0.3725



15.7866, 0.3276, 0.3265



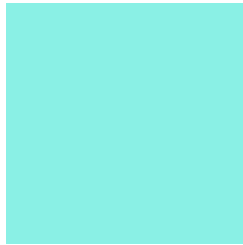
10.1909, 0.6272, 0.3229



0.8569, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 73.3806, 0.2600, 0.3421 looks on a white background.

Color Contrast Check

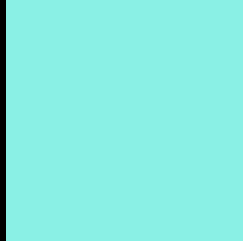
Large Text (above 18pt) WCAG AA × Fail

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 73.3806, 0.2600, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

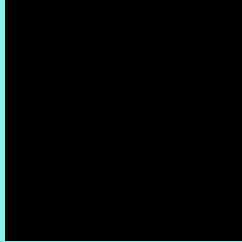
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.3806, 0.2600, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 73.3806, 0.2600, 0.3421.

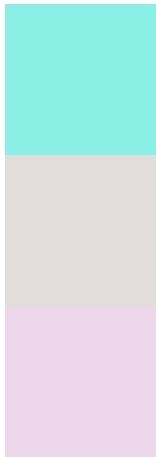


This preview shows how white text looks on a background with the Yxy color 73.3806, 0.2600, 0.3421.

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

73.3806, 0.2600, 0.3421

Protanopia

72.4171, 0.3183, 0.3312

Deuteranopia

72.5459, 0.3158, 0.3093



Tritanopia

73.3219, 0.2508, 0.3070

Trichromacy



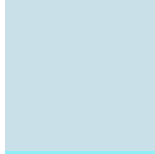
Original Color

73.3806, 0.2600, 0.3421



Protanomaly

71.6814, 0.2936, 0.3346



Deuteranomaly

71.5550, 0.2921, 0.3200



Tritanomaly

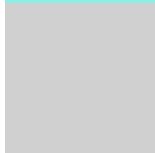
73.0618, 0.2538, 0.3183

Monochromacy



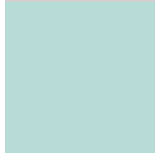
Original Color

73.3806, 0.2600, 0.3421



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.2115, 0.2898, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3806, 0.2600, 0.3421 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(138, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(138, 240, 229)  
}
```

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(138, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 73.3806, 0.2600, 0.3421 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(138, 240, 229) }
```

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

```
.border{ border-color:rgb(138, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(138, 240,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3806, 0.2600, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 240, 229) }
```

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

```
.background{ background-color: rgb(138,  
240, 229) }
```

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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