

Converting Colors

$Yxy(73.7324, 0.2683, 0.3403)$

Have a look what the booklet for
Yxy(73.7324, 0.2683, 0.3403)
contains.

Yxy(73.7191, 0.2685, 0.3407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.7191, 0.2685, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	9BEEE4
RGB	155, 238, 228
RGB Percent	61%, 93%, 89%
CMY	0.3921, 0.0667, 0.1059
CMYK	0.35, 0.00, 0.04, 0.07
HSL	173°, 71%, 77%
HSV	173°, 35%, 93%
XYZ	58.0968, 73.7191, 84.5595
YIQ	212.0430, -46.2580, -20.7060

Conversions

Conversions Part 2

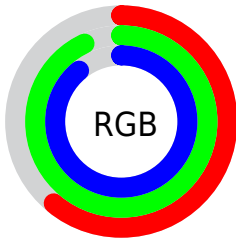
Format	Color
RYB	155, 199, 238
Decimal	10219236
CIELab	88.79, -27.35, -3.16
CIELCh	89, 27.528, 186.601
Yxy	73.7191, 0.2685, 0.3407
Android (android.graphics.Color)	4288409316 (0xFF9BEEE4)
YUV	212.0430, 7.8668, -50.0267
Hunter-Lab	85.8598, -29.4732, 1.7098

Details

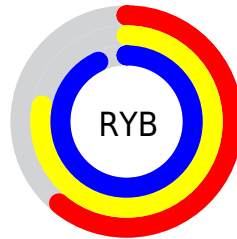
The Yxy color **73.7191, 0.2685, 0.3407** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.3439, 0.3856, 0.3180**, and the grayscale version is **65.8418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **39.1824, 0.2584, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **71.4363, 0.2585, 0.3446**, and if you desaturate by 10%, it is **76.4746, 0.2800, 0.3370**.

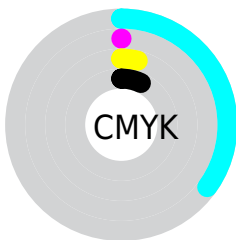
Distribution



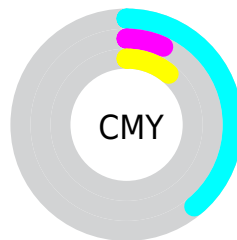
- Red (61%)
- Green (93%)
- Blue (89%)



- Red (61%)
- Yellow (78%)
- Blue (93%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7191, 0.2685, 0.3407 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 73.7191, 0.2685, 0.3407 by changing the saturation by 10% instead.


 73.7191, 0.2685,
0.3407


 73.7191, 0.2685,
0.3407

473.5033, 0.2887,
0.3355

 54.5642, 0.2639,
0.3418

 124.4975, 0.2755,
0.3389

 39.0529, 0.2583,
0.3432


 156.8898, 0.2782,
0.3382

 26.8009, 0.2513,
0.3449


194.4633, 0.2806,
0.3376

 17.4237, 0.2421,
0.3470

237.6025, 0.2826,
0.3371

 10.5371, 0.2298,
0.3498

286.6917, 0.2844,
0.3366

 5.7565, 0.2125,
0.3534

342.1153, 0.2860,

 2.6976, 0.1862,

0.3362

404.2577, 0.2875,
0.3359

0.3584

0.9760, 0.1009,
0.3827

0.0000, 0.0000,
0.0000

73.7191, 0.2685,
0.3407

73.7191, 0.2685,
0.3407

71.4363, 0.2585,
0.3446

76.4746, 0.2800,
0.3370

69.5898, 0.2501,
0.3487


79.7189, 0.2926,
0.3336


68.1524, 0.2435,
0.3529


83.4786, 0.3060,
0.3304

67.0899, 0.2389,
0.3571


87.7753, 0.3199,
0.3276


 66.3626, 0.2363,
0.3613

 88.8424, 0.3213,
0.3248


 65.9219, 0.2354,
0.3655

 89.0166, 0.3195,
0.3220

 65.7687, 0.2355,
0.3677

 89.1935, 0.3177,
0.3193

 89.3732, 0.3160,
0.3165

 89.5556, 0.3142,
0.3138

Harmonies

Analogous

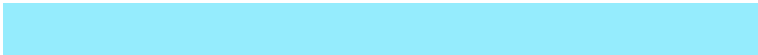
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7191, 0.2959, 0.3700



73.7191, 0.2685, 0.3407



73.7191, 0.2531, 0.3095

Triad

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



73.7191, 0.2685, 0.3407



73.7191, 0.2941, 0.2780



73.7191, 0.3762, 0.3684

Complementary

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



73.7191, 0.2685, 0.3407



44.3439, 0.3856, 0.3180

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.



73.7191, 0.3763, 0.3430



73.7191, 0.2685, 0.3407



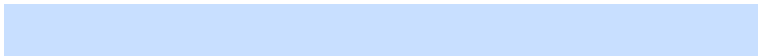
73.7191, 0.3274, 0.2926

Square

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



73.7191, 0.2685, 0.3407



73.7191, 0.2672, 0.2753



73.7191, 0.3581, 0.3158



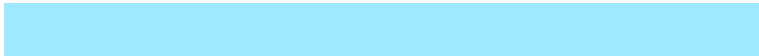
73.7191, 0.3585, 0.3852

Rectangle

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



73.7191, 0.2685, 0.3407



73.7191, 0.2511, 0.2926



73.7191, 0.3581, 0.3158



73.7191, 0.3784, 0.3606

Sweetspot

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



73.7221, 0.2685, 0.3407



95.2838, 0.2989, 0.3320



71.6338, 0.3147, 0.4316



20.2636, 0.2971, 0.3325



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.



73.7221, 0.2685, 0.3407



84.2223, 0.2610, 0.3435



58.0483, 0.2585, 0.2919



17.8942, 0.2997, 0.3318



36.7043, 0.2353, 0.3670



3.0626, 0.2337, 0.3615

Inverse Universe

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



44.3439, 0.3856, 0.3180



44.9753, 0.4088, 0.3157



55.4295, 0.3840, 0.3630



15.7899, 0.3274, 0.3262



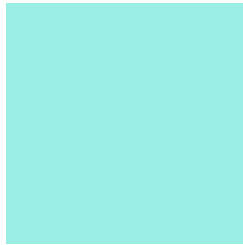
10.1995, 0.6250, 0.3217



0.8585, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 73.7191, 0.2685, 0.3407 looks on a white background.

Color Contrast Check

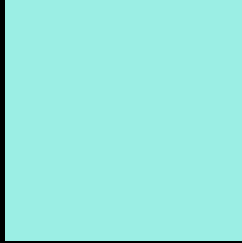
Large Text (above 18pt) WCAG AA × Fail

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 73.7191, 0.2685, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

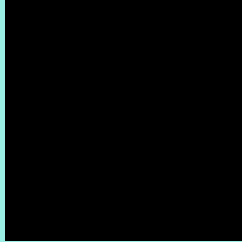
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

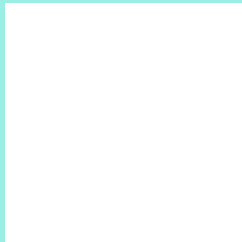
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.7191, 0.2685, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 73.7191, 0.2685, 0.3407.

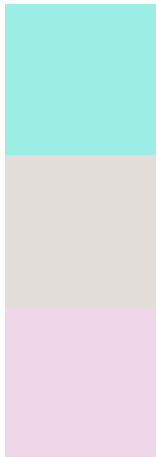


This preview shows how white text looks on a background with the Yxy color 73.7191, 0.2685, 0.3407.

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

73.7191, 0.2685, 0.3407

Protanopia

73.1058, 0.3190, 0.3322

Deuteranopia

72.8348, 0.3179, 0.3104



Tritanopia

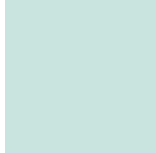
73.5146, 0.2585, 0.3073

Trichromacy



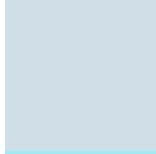
Original Color

73.7191, 0.2685, 0.3407



Protanomaly

72.6296, 0.2982, 0.3346



Deuteranomaly

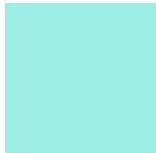
71.9548, 0.2973, 0.3202



Tritanomaly

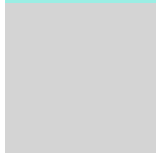
73.3192, 0.2621, 0.3185

Monochromacy



Original Color

73.7191, 0.2685, 0.3407



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.8512, 0.2939, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7191, 0.2685, 0.3407 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(155, 238, 228)` looks like.

```
.text, #text, p{  
    color:rgb(155, 238, 228)  
}
```

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(155, 238, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 238, 228) }
```

Border

The CSS property to change the border of an element to Yxy 73.7191, 0.2685, 0.3407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

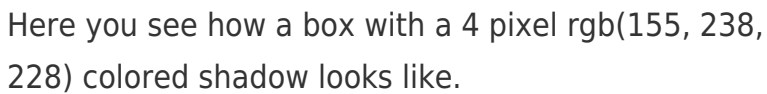
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 238, 228) }
```

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

```
.border{ border-color:rgb(155, 238, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 238, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 238, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 238, 228);  
box-shadow:4px 4px 4px 4px rgb(155, 238,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7191, 0.2685, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 238, 228) }
```

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

```
.background{ background-color: rgb(155,  
238, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor