

Converting Colors

$Y_{xy}(73.3000, 0.2844, 0.3761)$

Have a look what the booklet for
Yxy(73.3000, 0.2844, 0.3761)
contains.

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Color

Yxy(73.0712, 0.2844, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	9DEFC8
RGB	157, 239, 200
RGB Percent	62%, 94%, 78%
CMY	0.3840, 0.0628, 0.2156
CMYK	0.34, 0.00, 0.16, 0.06
HSL	151°, 72%, 78%
HSV	151°, 34%, 94%
XYZ	55.2111, 73.0712, 65.8495
YIQ	210.0360, -36.3530, -29.5130

Conversions

Conversions Part 2

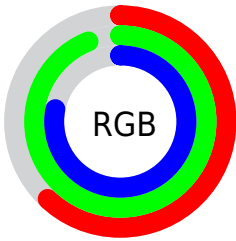
Format	Color
RYB	157, 211, 239
Decimal	10350536
CIELab	88.48, -33.16, 11.01
CIELCh	88, 34.943, 161.637
Yxy	73.0712, 0.2844, 0.3764
Android (android.graphics.Color)	4288540616 (0xFF9DEF C8)
YUV	210.0360, -4.9477, -46.5126
Hunter-Lab	85.4817, -34.3030, 14.1641

Details

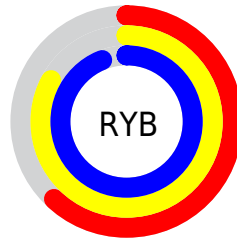
The Yxy color **73.0712, 0.2844, 0.3764** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.4815, 0.3551, 0.2864**, and the grayscale version is **64.5394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **38.7671, 0.2771, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **70.3870, 0.2777, 0.3932**, and if you desaturate by 10%, it is **76.2712, 0.2920, 0.3609**.

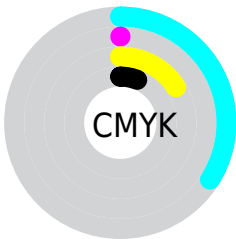
Distribution



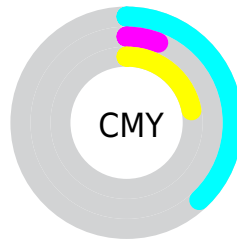
- Red (62%)
- Green (94%)
- Blue (78%)



- Red (62%)
- Yellow (83%)
- Blue (94%)



- Cyan (34%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)




- Cyan (38%)
- Magenta (6%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0712, 0.2844, 0.3764 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 73.0712, 0.2844, 0.3764 by changing the saturation by 10% instead.

 73.0712, 0.2844,
0.3764


 73.0712, 0.2844,
0.3764

471.2615, 0.2979,
0.3537

 54.0342, 0.2812,
0.3818

 123.5783, 0.2891,
0.3684

 38.6290, 0.2773,
0.3885

 155.8171, 0.2910,
0.3653

 26.4712, 0.2722,
0.3972


193.2254, 0.2925,
0.3627

 17.1765, 0.2655,
0.4089

236.1875, 0.2939,
0.3604

 10.3604, 0.2560,
0.4253

285.0877, 0.2951,
0.3584

 5.6386, 0.2420,
0.4501


340.3105, 0.2961,


 2.6266, 0.2190,

0.3567


402.2404, 0.2970,
0.3551


0.4915


 0.9400, 0.0650,
0.7369


 0.0000, 0.0000,
0.0000


 73.0712, 0.2844,
0.3764


 73.0712, 0.2844,
0.3764


 70.3870, 0.2777,
0.3932


 76.2712, 0.2920,
0.3609


 68.1811, 0.2723,
0.4110

 80.0041, 0.3003,
0.3467

 66.4254, 0.2685,
0.4296

 84.2971, 0.3090,
0.3340

 65.0848, 0.2667,
0.4485

 89.1731, 0.3178,
0.3227

■ 64.1185, 0.2668,
0.4672

■ 90.2058, 0.3134,
0.3136

■ 63.4771, 0.2690,
0.4852

■ 63.2136, 0.2709,
0.4951

Harmonies

Analogous

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



73.0712, 0.3255, 0.4014



73.0712, 0.2844, 0.3764



73.0712, 0.2523, 0.3365

Triad

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



73.0712, 0.2844, 0.3764



73.0712, 0.2600, 0.2611



73.0712, 0.3956, 0.3514

Complementary

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



73.0712, 0.2844, 0.3764



46.4815, 0.3551, 0.2864

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.



73.0712, 0.3759, 0.3175



73.0712, 0.2844, 0.3764



73.0712, 0.2955, 0.2674

Square

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



73.0712, 0.2844, 0.3764



73.0712, 0.2391, 0.2710



73.0712, 0.3383, 0.2876



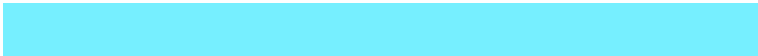
73.0712, 0.3910, 0.3827

Rectangle

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



73.0712, 0.2844, 0.3764



73.0712, 0.2397, 0.3096



73.0712, 0.3383, 0.2876



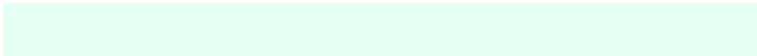
73.0712, 0.3916, 0.3401

Sweetspot

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



73.0742, 0.2844, 0.3764



94.7234, 0.3040, 0.3412



75.9897, 0.3340, 0.4237



20.1275, 0.3027, 0.3430



0.0000, 0.0000, 0.0000



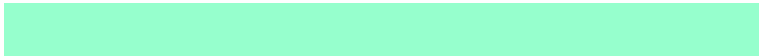
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0742, 0.2844, 0.3764



82.4669, 0.2797, 0.3878



74.3382, 0.2640, 0.3273



17.7948, 0.3044, 0.3405



34.9640, 0.2701, 0.4924



2.9288, 0.2637, 0.4692

Inverse Universe

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



46.4815, 0.3551, 0.2864



47.3959, 0.3672, 0.2777



45.3956, 0.3934, 0.3308



15.8841, 0.3219, 0.3178



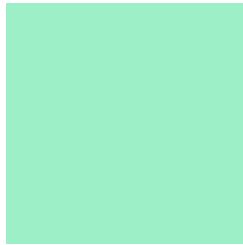
10.8350, 0.5061, 0.2562



0.9214, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 73.0712, 0.2844, 0.3764 looks on a white background.

Color Contrast Check

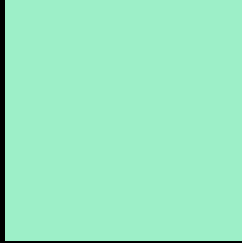
Large Text (above 18pt) WCAG AA × Fail

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 73.0712, 0.2844, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

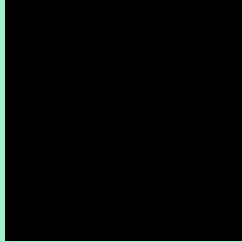
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.0712, 0.2844, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 73.0712, 0.2844, 0.3764.

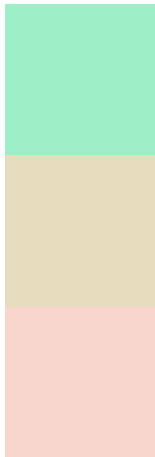


This preview shows how white text looks on a background with the Yxy color 73.0712, 0.2844, 0.3764.

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

73.0712, 0.2844, 0.3764

Protanopia

72.1038, 0.3414, 0.3605

Deuteranopia

71.9527, 0.3448, 0.3374



Tritanopia

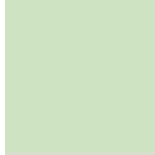
73.0031, 0.2628, 0.3074

Trichromacy



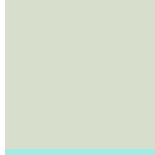
Original Color

73.0712, 0.2844, 0.3764



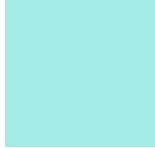
Protanomaly

71.8123, 0.3186, 0.3667



Deuteranomaly

71.0014, 0.3203, 0.3503



Tritanomaly

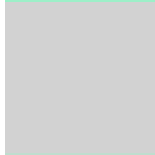
73.1354, 0.2708, 0.3324

Monochromacy



Original Color

73.0712, 0.2844, 0.3764



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.2455, 0.3014, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0712, 0.2844, 0.3764 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(157, 239, 200)` looks like.

```
.text, #text, p{  
    color:rgb(157, 239, 200)  
}
```

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(157, 239, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 239, 200) }
```

Border

The CSS property to change the border of an element to Yxy 73.0712, 0.2844, 0.3764 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(157, 239, 200) }
```

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

```
.border{ border-color:rgb(157, 239, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 239, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 239, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 239, 200); box-shadow:4px 4px 4px 4px rgb(157, 239, 200) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0712, 0.2844, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 239, 200) }
```

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

```
.background{ background-color: rgb(157,  
239, 200) }
```

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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