

Converting Colors

$Yxy(73.2498, 0.2794, 0.3654)$

Have a look what the booklet for
Yxy(73.2498, 0.2794, 0.3654)
contains.

Yxy(73.4044, 0.2790, 0.3652)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.4044, 0.2790, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	9CEFD1
RGB	156, 239, 209
RGB Percent	61%, 94%, 82%
CMY	0.3883, 0.0627, 0.1805
CMYK	0.35, 0.00, 0.13, 0.06
HSL	158°, 72%, 77%
HSV	158°, 35%, 94%
XYZ	56.0784, 73.4044, 71.5150
YIQ	210.7630, -39.8380, -26.9260

Conversions

Conversions Part 2

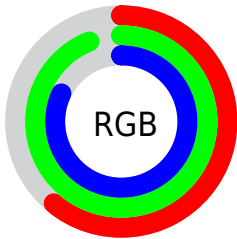
Format	Color
R _{YB}	156, 207, 239
Decimal	10285009
CIE Lab	88.64, -31.67, 6.56
CIE LCh	89, 32.346, 168.292
Yxy	73.4044, 0.2790, 0.3652
Android (android.graphics.Color)	4288475089 (0xFF9CEFD1)
YUV	210.7630, -0.8692, -48.0272
Hunter-Lab	85.6764, -33.0987, 10.4834

Details

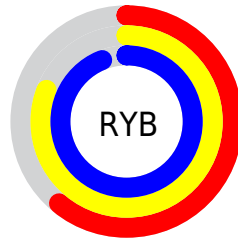
The Yxy color **73.4044, 0.2790, 0.3652** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.6668, 0.3651, 0.2959**, and the grayscale version is **64.9991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **39.0002, 0.2706, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **70.8368, 0.2712, 0.3777**, and if you desaturate by 10%, it is **76.4703, 0.2879, 0.3536**.

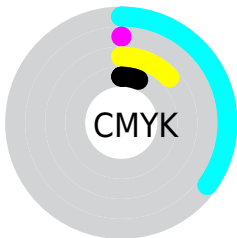
Distribution



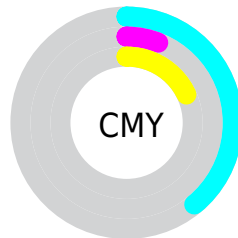
- Red (61%)
- Green (94%)
- Blue (82%)



- Red (61%)
- Yellow (81%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (13%)
- Black (6%)




- Cyan (39%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4044, 0.2790, 0.3652 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 73.4044, 0.2790, 0.3652 by changing the saturation by 10% instead.


 73.4044, 0.2790,
0.3652


 73.4044, 0.2790,
0.3652

472.4152, 0.2948,
0.3481

 54.3067, 0.2754,
0.3692


 124.0511, 0.2845,
0.3592

 38.8469, 0.2709,
0.3742


 156.3690, 0.2866,
0.3569

 26.6407, 0.2651,
0.3807


193.8623, 0.2885,
0.3549

 17.3035, 0.2576,
0.3892

236.9155, 0.2900,
0.3531

 10.4511, 0.2472,
0.4011

285.9130, 0.2914,
0.3516

 5.6991, 0.2321,
0.4189

341.2392, 0.2927,

 2.6630, 0.2082,

0.3503

0.4479

403.2785, 0.2938,
0.3491

0.9584, 0.0811,
0.5715

0.0000, 0.0000,
0.0000

73.4044, 0.2790,
0.3652

73.4044, 0.2790,
0.3652

70.8368, 0.2712,
0.3777

76.4703, 0.2879,
0.3536

68.7305, 0.2648,
0.3910

80.0514, 0.2976,
0.3429

67.0576, 0.2602,
0.4048

84.1744, 0.3078,
0.3332

65.7833, 0.2575,
0.4189

88.8617, 0.3182,
0.3246

■ 64.8672, 0.2569,
0.4331

■ 90.0413, 0.3151,
0.3163

■ 64.2598, 0.2582,
0.4470

■ 90.2200, 0.3134,
0.3136

■ 64.0249, 0.2595,
0.4541

Harmonies

Analogous

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



73.4044, 0.3161, 0.3922



73.4044, 0.2790, 0.3652



73.4044, 0.2520, 0.3276

Triad

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



73.4044, 0.2790, 0.3652



73.4044, 0.2702, 0.2659



73.4044, 0.3903, 0.3571

Complementary

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



73.4044, 0.2790, 0.3652



45.6668, 0.3651, 0.2959

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.



73.4044, 0.3768, 0.3254



73.4044, 0.2790, 0.3652



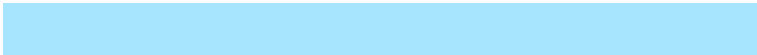
73.4044, 0.3055, 0.2749

Square

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



73.4044, 0.2790, 0.3652



73.4044, 0.2473, 0.2719



73.4044, 0.3450, 0.2961



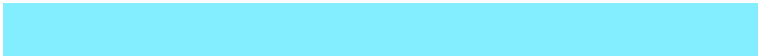
73.4044, 0.3814, 0.3842

Rectangle

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



73.4044, 0.2790, 0.3652



73.4044, 0.2426, 0.3037



73.4044, 0.3450, 0.2961



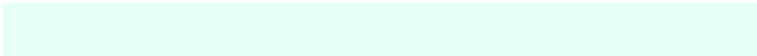
73.4044, 0.3883, 0.3466

Sweetspot

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



73.4074, 0.2790, 0.3652



94.9004, 0.3023, 0.3382



74.6314, 0.3276, 0.4272



20.1704, 0.3009, 0.3396



0.0000, 0.0000, 0.0000



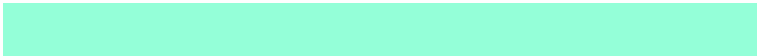
21.4041, 0.3127, 0.3290

Same Dimension

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



73.4074, 0.2790, 0.3652



82.7777, 0.2731, 0.3744



68.7520, 0.2619, 0.3158



17.8263, 0.3029, 0.3377



35.4036, 0.2589, 0.4520



2.9642, 0.2538, 0.4338

Inverse Universe

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



45.6668, 0.3651, 0.2959



45.9811, 0.3815, 0.2888



48.4064, 0.3912, 0.3416



15.8534, 0.3236, 0.3205



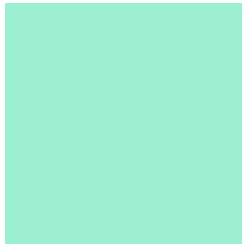
10.5393, 0.5530, 0.2820



0.8952, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 73.4044, 0.2790, 0.3652 looks on a white background.

Color Contrast Check

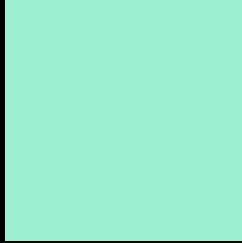
Large Text (above 18pt) WCAG AA × Fail

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 73.4044, 0.2790, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

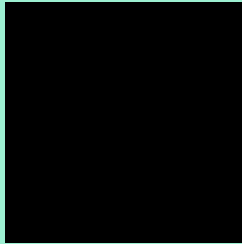
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

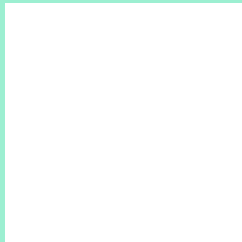
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.4044, 0.2790, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 73.4044, 0.2790, 0.3652.

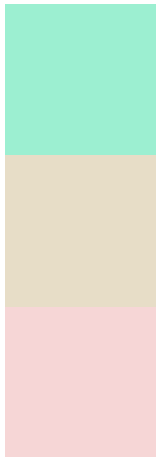


This preview shows how white text looks on a background with the Yxy color 73.4044, 0.2790, 0.3652.

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

73.4044, 0.2790, 0.3652

Protanopia

72.8253, 0.3349, 0.3528

Deuteranopia

72.5410, 0.3366, 0.3291



Tritanopia

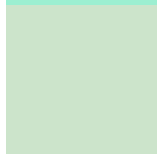
73.4131, 0.2614, 0.3074

Trichromacy



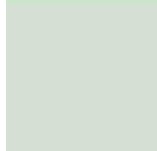
Original Color

73.4044, 0.2790, 0.3652



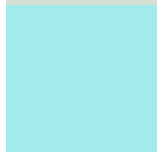
Protanomaly

72.6360, 0.3121, 0.3574



Deuteranomaly

71.6750, 0.3128, 0.3412



Tritanomaly

73.1542, 0.2677, 0.3277

Monochromacy



Original Color

73.4044, 0.2790, 0.3652



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.4424, 0.2989, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4044, 0.2790, 0.3652 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(156, 239, 209)` looks like.

```
.text, #text, p{  
    color:rgb(156, 239, 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(156, 239, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 239, 209) }
```

Border

The CSS property to change the border of an element to Yxy 73.4044, 0.2790, 0.3652 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(156, 239, 209) }
```

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

```
.border{ border-color:rgb(156, 239, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 239, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 239, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 239, 209);  
box-shadow:4px 4px 4px 4px rgb(156, 239,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4044, 0.2790, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 239, 209) }
```

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

```
.background{ background-color: rgb(156,  
239, 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](#).

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