

Converting Colors

$Yxy(73.9749, 0.2348, 0.3463)$

Have a look what the booklet for
Yxy(73.9749, 0.2348, 0.3463)
contains.

Yxy(73.9749, 0.2348, 0.3463)	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(73.9749, 0.2348, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	3AF8EA
RGB	58, 248, 234
RGB Percent	23%, 97%, 92%
CMY	0.7732, 0.0274, 0.0823
CMYK	0.77, 0.00, 0.06, 0.03
HSL	176°, 93%, 60%
HSV	176°, 77%, 97%
XYZ	50.1568, 73.9749, 89.4834
YIQ	189.5940, -108.7460, -44.6340

Conversions

Conversions Part 2

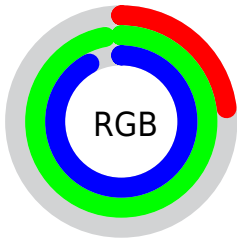
Format	Color
R_{YB}	58, 157, 248
Decimal	3864810
CIE _{Lab}	88.91, -48.15, -6.46
CIE _{LCh}	89, 48.583, 187.637
Yxy	73.9749, 0.2348, 0.3463
Android (android.graphics.Color)	4282054890 (0xFF3AF8EA)
YUV	189.5940, 21.8922, -115.4079
Hunter-Lab	86.0087, -46.4211, -1.4792

Details

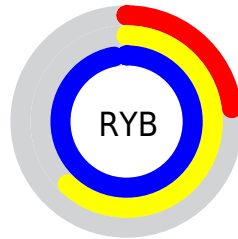
The Yxy color **73.9749, 0.2348, 0.3463** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4336, 0.5649, 0.3199**, and the grayscale version is **51.1399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **40.4760, 0.2305, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **73.3026, 0.2322, 0.3488**, and if you desaturate by 10%, it is **75.0111, 0.2393, 0.3438**.

Distribution



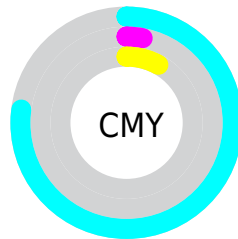
- Red (23%)
- Green (97%)
- Blue (92%)



- Red (23%)
- Yellow (62%)
- Blue (97%)



- Cyan (77%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)




- Cyan (77%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9749, 0.2348, 0.3463 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 73.9749, 0.2348, 0.3463 by changing the saturation by 10% instead.


 73.9749, 0.2348,
0.3463

 73.9749, 0.2348,
0.3463


474.3867, 0.2700,
0.3391


 54.7735, 0.2270,
0.3477


 124.8602, 0.2468,
0.3440


 39.2204, 0.2175,
0.3494


 157.3129, 0.2515,
0.3430

 26.9312, 0.2057,
0.3514


 194.9515, 0.2556,
0.3422

 17.5216, 0.1907,
0.3536

 238.1604, 0.2592,
0.3414

 10.6071, 0.1711,
0.3562

287.3240, 0.2624,
0.3407

 5.8033, 0.1446,
0.3587


342.8266, 0.2652,

 2.7258, 0.1076,

0.3401

405.0528, 0.2677,
0.3396


0.3601


 0.9903, 0.0000,
0.3763


 0.0000, 0.0000,
0.0000


 73.9749, 0.2348,
0.3463

 73.9749, 0.2348,
0.3463

 73.3026, 0.2322,
0.3488


 75.0111, 0.2393,
0.3438


 72.9285, 0.2312,
0.3513


 76.4481, 0.2458,
0.3413


 72.8413, 0.2311,
0.3521


 78.3275, 0.2543,
0.3388


 80.6836, 0.2644,
0.3365

 83.5470, 0.2761,
0.3342

 86.9461, 0.2891,
0.3321

 90.9070, 0.3030,
0.3302

 95.2178, 0.3168,
0.3284

 95.3321, 0.3157,
0.3267

Harmonies

Analogous

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



73.9749, 0.2797, 0.4028



73.9749, 0.2348, 0.3463



73.9749, 0.2113, 0.2903

Triad

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



73.9749, 0.2348, 0.3463



73.9749, 0.2811, 0.2444



73.9749, 0.4230, 0.3946

Complementary

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



73.9749, 0.2348, 0.3463



23.4336, 0.5649, 0.3199

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.



73.9749, 0.4260, 0.3508



73.9749, 0.2348, 0.3463



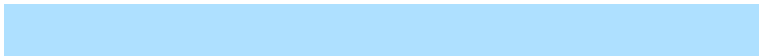
73.9749, 0.3394, 0.2688

Square

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



73.9749, 0.2348, 0.3463



73.9749, 0.2360, 0.2380



73.9749, 0.3945, 0.3064



73.9749, 0.3889, 0.4273

Rectangle

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



73.9749, 0.2348, 0.3463



73.9749, 0.2090, 0.2627



73.9749, 0.3945, 0.3064



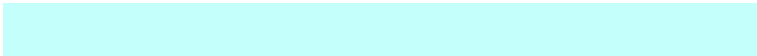
73.9749, 0.4279, 0.3806

Sweetspot

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



73.9777, 0.2348, 0.3463



90.2478, 0.2807, 0.3335



68.8891, 0.3060, 0.5677



19.0506, 0.2762, 0.3342



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.



73.9777, 0.2348, 0.3463



77.8300, 0.2315, 0.3502



35.9632, 0.2016, 0.2209



19.5852, 0.2990, 0.3307



39.3538, 0.2310, 0.3517



3.6512, 0.2302, 0.3487

Inverse Universe

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



23.4336, 0.5649, 0.3199



21.9124, 0.6191, 0.3242



38.1747, 0.5077, 0.4001



17.2459, 0.3282, 0.3273



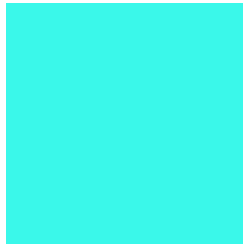
10.8119, 0.6323, 0.3257



1.0083, 0.6148, 0.3160

Previews

White Background



This preview shows how the Yxy color 73.9749, 0.2348, 0.3463 looks on a white background.

Color Contrast Check

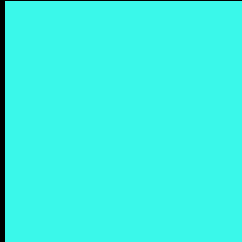
Large Text (above 18pt) WCAG AA × Fail

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 73.9749, 0.2348, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

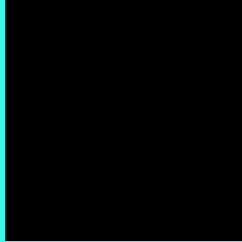
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9749, 0.2348, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 73.9749, 0.2348, 0.3463.

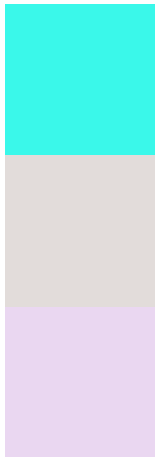


This preview shows how white text looks on a background with the Yxy color 73.9749, 0.2348, 0.3463.

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

73.9749, 0.2348, 0.3463

Protanopia

72.4171, 0.3183, 0.3312

Deuteranopia

72.4442, 0.3090, 0.3020



Tritanopia

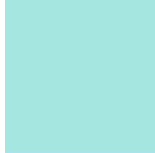
73.4650, 0.2434, 0.3101

Trichromacy



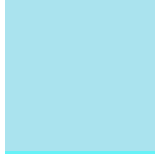
Original Color

73.9749, 0.2348, 0.3463



Protanomaly

69.9748, 0.2750, 0.3360



Deuteranomaly

69.6573, 0.2699, 0.3161



Tritanomaly

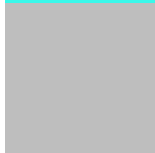
73.0444, 0.2387, 0.3228

Monochromacy



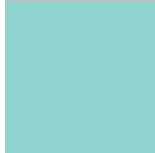
Original Color

73.9749, 0.2348, 0.3463



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.7955, 0.2692, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9749, 0.2348, 0.3463 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(58, 248, 234)` looks like.

```
.text, #text, p{  
    color:rgb(58, 248, 234)  
}
```

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(58, 248, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 248, 234) }
```

Border

The CSS property to change the border of an element to Yxy 73.9749, 0.2348, 0.3463 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(58, 248, 234) }
```

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

```
.border{ border-color:rgb(58, 248, 234) }
```

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

Here you see how a box with a 4 pixel rgb(58, 248, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 248, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 248, 234);  
box-shadow:4px 4px 4px 4px rgb(58, 248,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9749, 0.2348, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 248, 234) }
```

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

```
.background{ background-color: rgb(58, 248,  
234) }
```

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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