

Converting Colors

$Yxy(73.4014, 0.2338, 0.3420)$

Have a look what the booklet for
Yxy(73.4014, 0.2338, 0.3420)
contains.

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Color

Yxy(73.5075, 0.2339, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	3BF7EC
RGB	59, 247, 236
RGB Percent	23%, 97%, 93%
CMY	0.7692, 0.0313, 0.0744
CMYK	0.76, 0.00, 0.04, 0.03
HSL	176°, 92%, 60%
HSV	176°, 76%, 97%
XYZ	50.1997, 73.5075, 90.9132
YIQ	189.5340, -108.5170, -43.2770

Conversions

Conversions Part 2

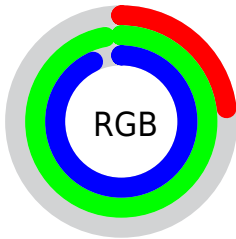
Format	Color
R _{YB}	59, 156, 247
Decimal	3930092
CIE Lab	88.69, -47.08, -7.83
CIE LCh	89, 47.729, 189.443
Yxy	73.5075, 0.2339, 0.3425
Android (android.graphics.Color)	4282120172 (0xFF3BF7EC)
YUV	189.5340, 22.9077, -114.4783
Hunter-Lab	85.7365, -45.5251, -2.8543

Details

The Yxy color **73.5075, 0.2339, 0.3425** 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 **23.3289, 0.5661, 0.3220**, and the grayscale version is **51.1011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **40.1222, 0.2292, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **72.8441, 0.2311, 0.3445**, and if you desaturate by 10%, it is **74.5335, 0.2386, 0.3405**.

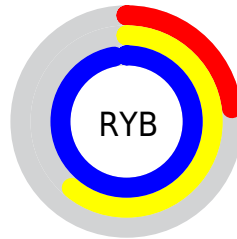
Distribution



Red (23%)

Green (97%)

Blue (93%)



Red (23%)

Yellow (61%)

Blue (97%)

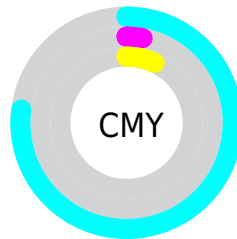


Cyan (76%)

Magenta (0%)

Yellow (4%)

Black (3%)



Cyan (77%)


Magenta (3%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5075, 0.2339, 0.3425 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 73.5075, 0.2339, 0.3425 by changing the saturation by 10% instead.

 73.5075, 0.2339,
0.3425

 73.5075, 0.2339,
0.3425


472.7718, 0.2695,
0.3371


 54.3910, 0.2260,
0.3435

 124.1974, 0.2460,
0.3408

 38.9144, 0.2165,
0.3446

 156.5396, 0.2508,
0.3401

 26.6931, 0.2046,
0.3459


 194.0593, 0.2550,
0.3395

 17.3429, 0.1895,
0.3472

 237.1406, 0.2586,
0.3389

 10.4793, 0.1697,
0.3484

286.1682, 0.2618,
0.3384

 5.7179, 0.1431,
0.3490

341.5263, 0.2646,

 2.6743, 0.1061,

0.3379

403.5994, 0.2672,
0.3375

0.3472

0.9642, 0.0000,
0.3562

0.0000, 0.0000,
0.0000

73.5075, 0.2339,
0.3425

73.5075, 0.2339,
0.3425

72.8441, 0.2311,
0.3445

74.5335, 0.2386,
0.3405


72.4796, 0.2299,
0.3464

75.9582, 0.2454,
0.3386

72.3871, 0.2298,
0.3471


77.8225, 0.2540,
0.3366

80.1602, 0.2643,
0.3348

 83.0015, 0.2763,
0.3330

 86.3742, 0.2895,
0.3314

 90.3043, 0.3036,
0.3299

 94.5379, 0.3175,
0.3285

 94.6276, 0.3166,
0.3271

Harmonies

Analogous

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



73.5075, 0.2772, 0.3987



73.5075, 0.2339, 0.3425



73.5075, 0.2121, 0.2881

Triad

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



73.5075, 0.2339, 0.3425



73.5075, 0.2848, 0.2465



73.5075, 0.4201, 0.3962

Complementary

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



73.5075, 0.2339, 0.3425



23.3289, 0.5661, 0.3220

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.



73.5075, 0.4251, 0.3534



73.5075, 0.2339, 0.3425



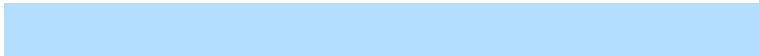
73.5075, 0.3426, 0.2715

Square

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



73.5075, 0.2339, 0.3425



73.5075, 0.2392, 0.2390



73.5075, 0.3959, 0.3093



73.5075, 0.3851, 0.4271

Rectangle

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



73.5075, 0.2339, 0.3425



73.5075, 0.2108, 0.2618



73.5075, 0.3959, 0.3093



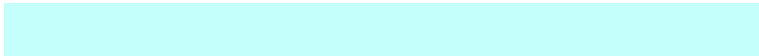
73.5075, 0.4255, 0.3826

Sweetspot

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



73.5103, 0.2339, 0.3425



90.3041, 0.2803, 0.3325



68.1965, 0.3051, 0.5673



19.0645, 0.2757, 0.3331



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.



73.5103, 0.2339, 0.3425



78.0791, 0.2303, 0.3454



34.7231, 0.2010, 0.2172



18.7401, 0.2988, 0.3304



38.2871, 0.2297, 0.3468



3.3701, 0.2290, 0.3444

Inverse Universe

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



23.3289, 0.5661, 0.3220



22.0013, 0.6192, 0.3254



38.9596, 0.5028, 0.4032



16.4982, 0.3285, 0.3277



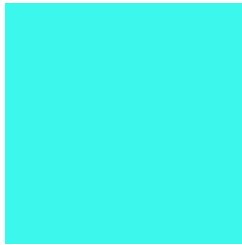
10.4818, 0.6340, 0.3266



0.9267, 0.6190, 0.3184

Previews

White Background



This preview shows how the Yxy color 73.5075, 0.2339, 0.3425 looks on a white background.

Color Contrast Check

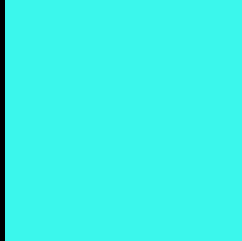
Large Text (above 18pt) WCAG AA × Fail

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 73.5075, 0.2339, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

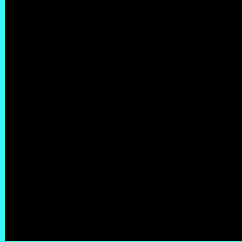
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5075, 0.2339, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 73.5075, 0.2339, 0.3425.

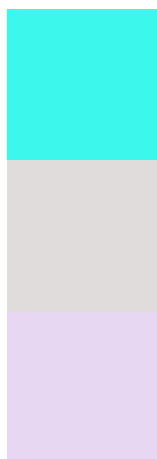


This preview shows how white text looks on a background with the Yxy color 73.5075, 0.2339, 0.3425.

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

73.5075, 0.2339, 0.3425

Protanopia

72.3613, 0.3163, 0.3290

Deuteranopia

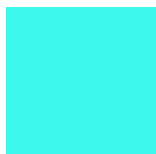
72.2277, 0.3063, 0.2999



Tritanopia

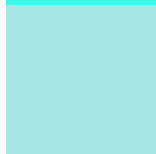
73.2381, 0.2423, 0.3101

Trichromacy



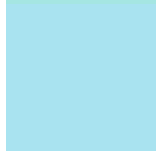
Original Color

73.5075, 0.2339, 0.3425



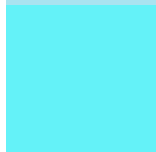
Protanomaly

70.0839, 0.2739, 0.3336



Deuteranomaly

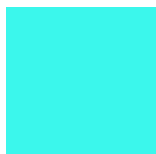
69.6645, 0.2683, 0.3138



Tritanomaly

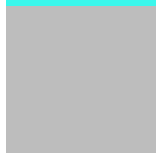
72.9909, 0.2377, 0.3216

Monochromacy



Original Color

73.5075, 0.2339, 0.3425



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.3002, 0.2691, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5075, 0.2339, 0.3425 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(59, 247, 236)` looks like.

```
.text, #text, p{  
    color:rgb(59, 247, 236)  
}
```

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(59, 247, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 247, 236) }
```

Border

The CSS property to change the border of an element to Yxy 73.5075, 0.2339, 0.3425 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(59, 247, 236) }
```

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

```
.border{ border-color:rgb(59, 247, 236) }
```

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

Here you see how a box with a 4 pixel rgb(59, 247, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 247, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 247, 236);  
box-shadow:4px 4px 4px 4px rgb(59, 247,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5075, 0.2339, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 247, 236) }
```

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

```
.background{ background-color: rgb(59, 247,  
236) }
```

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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