

Converting Colors

$Yxy(73.5524, 0.2373, 0.3546)$

Have a look what the booklet for
Yxy(73.5524, 0.2373, 0.3546)
contains.

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Color

$\text{Yxy}(73.6358, 0.2371, 0.3541)$

Conversions

Conversions Part 1

Format	Color
Hex	3AF8E4
RGB	58, 248, 228
RGB Percent	23%, 97%, 89%
CMY	0.7734, 0.0274, 0.1059
CMYK	0.77, 0.00, 0.08, 0.03
HSL	174°, 93%, 60%
HSV	174°, 77%, 97%
XYZ	49.3054, 73.6358, 85.0108
YIQ	188.9100, -106.8200, -46.5000

Conversions

Conversions Part 2

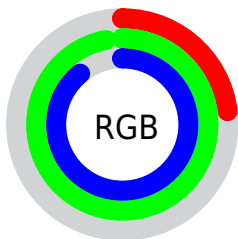
Format	Color
R_{YB}	58, 158, 248
Decimal	3864804
CIE _{Lab}	88.75, -49.76, -3.56
CIE _{LCh}	89, 49.886, 184.091
Y _{xy}	73.6358, 0.2371, 0.3541
Android (android.graphics.Color)	4282054884 (0xFF3AF8E4)
YUV	188.9100, 19.2714, -114.8081
Hunter-Lab	85.8113, -47.6073, 1.3310

Details

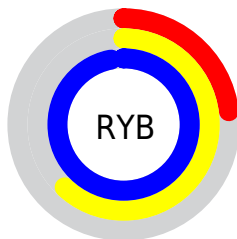
The Yxy color **73.6358, 0.2371, 0.3541** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.5101, 0.5574, 0.3151**, and the grayscale version is **50.7332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **40.2787, 0.2329, 0.3584** is the 20% darker color. If you saturate the color by 10%, you get **72.9248, 0.2347, 0.3578**, and if you desaturate by 10%, it is **74.7117, 0.2414, 0.3504**.

Distribution



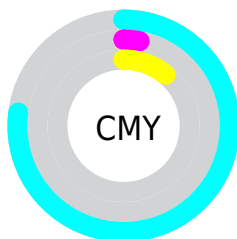
- Red (23%)
- Green (97%)
- Blue (89%)



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



- Cyan (77%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (77%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6358, 0.2371, 0.3541 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 73.6358, 0.2371, 0.3541 by changing the saturation by 10% instead.


 73.6358, 0.2371,
0.3541


 73.6358, 0.2371,
0.3541


473.2154, 0.2714,
0.3430


 54.4960, 0.2295,
0.3565


 124.3794, 0.2489,
0.3504

 38.9984, 0.2201,
0.3593


 156.7520, 0.2535,
0.3489

 26.7584, 0.2085,
0.3628

 194.3043, 0.2575,
0.3476

 17.3919, 0.1936,
0.3672

 237.4207, 0.2610,
0.3465

 10.5143, 0.1740,
0.3726

286.4856, 0.2641,
0.3455

 5.7413, 0.1474,
0.3795

341.8835, 0.2668,

 2.6884, 0.1095,

0.3446

0.3881

403.9986, 0.2692,
0.3438

■ 0.9713, 0.0000,
0.4194

■ 0.0000, 0.0000,
0.0000

■ 73.6358, 0.2371,
0.3541

■ 73.6358, 0.2371,
0.3541

■ 72.9248, 0.2347,
0.3578

■ 74.7117, 0.2414,
0.3504


■ 72.5129, 0.2341,
0.3614


■ 76.1895, 0.2477,
0.3468


■ 72.4140, 0.2341,
0.3626

■ 78.1107, 0.2559,
0.3432

■ 80.5096, 0.2658,
0.3398

 83.4170, 0.2772,
0.3366

 86.8611, 0.2898,
0.3335

 90.8681, 0.3033,
0.3307

 95.2362, 0.3167,
0.3282

 95.4001, 0.3151,
0.3257

Harmonies

Analogous

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



73.6358, 0.2852, 0.4107



73.6358, 0.2371, 0.3541



73.6358, 0.2103, 0.2950

Triad

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



73.6358, 0.2371, 0.3541



73.6358, 0.2737, 0.2405



73.6358, 0.4282, 0.3911

Complementary

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



73.6358, 0.2371, 0.3541



23.5101, 0.5574, 0.3151

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.



73.6358, 0.4272, 0.3456



73.6358, 0.2371, 0.3541



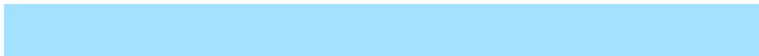
73.6358, 0.3327, 0.2635

Square

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



73.6358, 0.2371, 0.3541



73.6358, 0.2299, 0.2363



73.6358, 0.3910, 0.3006



73.6358, 0.3963, 0.4269

Rectangle

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



73.6358, 0.2371, 0.3541



73.6358, 0.2061, 0.2651



73.6358, 0.3910, 0.3006



73.6358, 0.4319, 0.3764

Sweetspot

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



73.6386, 0.2371, 0.3541



90.1316, 0.2817, 0.3354



69.1519, 0.3082, 0.5662



19.0220, 0.2772, 0.3365



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.



73.6386, 0.2371, 0.3541



77.4038, 0.2342, 0.3597



38.3665, 0.2040, 0.2300



19.5753, 0.2994, 0.3315



39.1250, 0.2339, 0.3620



3.6324, 0.2327, 0.3576

Inverse Universe

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



23.5101, 0.5574, 0.3151



21.9647, 0.6131, 0.3209



36.4152, 0.5143, 0.3938



17.2549, 0.3277, 0.3265



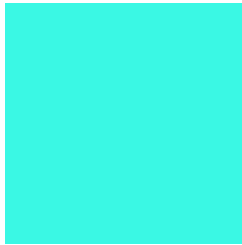
10.8305, 0.6279, 0.3233



1.0126, 0.6047, 0.3105

Previews

White Background



This preview shows how the Yxy color 73.6358, 0.2371, 0.3541 looks on a white background.

Color Contrast Check

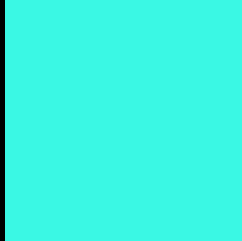
Large Text (above 18pt) WCAG AA × Fail

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 73.6358, 0.2371, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

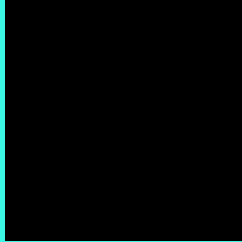
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

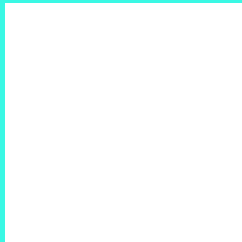
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.6358, 0.2371, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 73.6358, 0.2371, 0.3541.

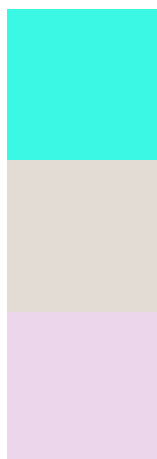


This preview shows how white text looks on a background with the Yxy color 73.6358, 0.2371, 0.3541.

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

73.6358, 0.2371, 0.3541

Protanopia

72.2708, 0.3231, 0.3377

Deuteranopia

71.9242, 0.3145, 0.3072



Tritanopia

73.3130, 0.2427, 0.3101

Trichromacy



Original Color

73.6358, 0.2371, 0.3541



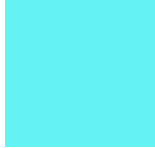
Protanomaly

69.6549, 0.2783, 0.3433



Deuteranomaly

68.8768, 0.2736, 0.3219



Tritanomaly

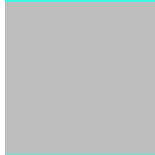
72.8635, 0.2392, 0.3252

Monochromacy



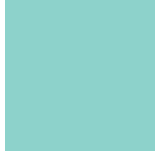
Original Color

73.6358, 0.2371, 0.3541



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.0677, 0.2702, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6358, 0.2371, 0.3541 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(58, 248, 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(58, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 248, 228) }
```

Border

The CSS property to change the border of an element to Yxy 73.6358, 0.2371, 0.3541 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, 228) }
```

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

```
.border{ border-color:rgb(58, 248, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(58, 248,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6358, 0.2371, 0.3541 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, 228) }
```

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

```
.background{ background-color: rgb(58, 248,  
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](#).

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