

Converting Colors

$Y_{xy}(73.4897, 0.2289, 0.3243)$

Have a look what the booklet for
Yxy(73.4897, 0.2289, 0.3243)
contains.

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Color

Yxy(73.7432, 0.2291, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	3DF6F9
RGB	61, 246, 249
RGB Percent	24%, 96%, 98%
CMY	0.7618, 0.0352, 0.0235
CMYK	0.76, 0.01, 0.00, 0.02
HSL	181°, 94%, 61%
HSV	181°, 76%, 98%
XYZ	51.9673, 73.7432, 101.1219
YIQ	191.0270, -111.2230, -38.2870

Conversions

Conversions Part 2

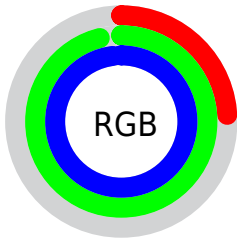
Format	Color
R _{YB}	61, 154, 249
Decimal	4060921
CIE Lab	88.80, -42.88, -14.44
CIE LCh	89, 45.241, 198.612
Yxy	73.7432, 0.2291, 0.3251
Android (android.graphics.Color)	4282251001 (0xFF3DF6F9)
YUV	191.0270, 28.5807, -114.0337
Hunter-Lab	85.8739, -42.2585, -9.7060

Details

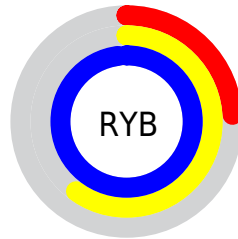
The Yxy color **73.7432, 0.2291, 0.3251** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1116, 0.5742, 0.3318**, and the grayscale version is **51.9552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **40.2454, 0.2229, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **72.8939, 0.2256, 0.3246**, and if you desaturate by 10%, it is **74.9643, 0.2345, 0.3256**.

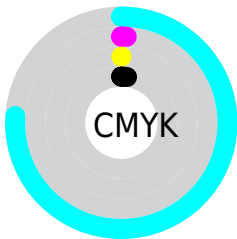
Distribution



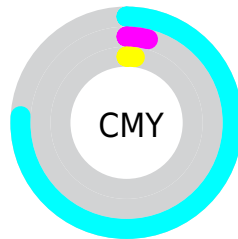
- Red (24%)
- Green (96%)
- Blue (98%)



- Red (24%)
- Yellow (60%)
- Blue (98%)



- Cyan (76%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (76%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7432, 0.2291, 0.3251 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 73.7432, 0.2291, 0.3251 by changing the saturation by 10% instead.


 73.7432, 0.2291,
0.3251

 73.7432, 0.2291,
0.3251


473.5866, 0.2665,
0.3281


 54.5839, 0.2209,
0.3241


 124.5317, 0.2418,
0.3264


 39.0687, 0.2110,
0.3228


 156.9297, 0.2468,
0.3268

 26.8131, 0.1988,
0.3209


 194.5093, 0.2512,
0.3272

 17.4329, 0.1833,
0.3180

 237.6551, 0.2550,
0.3274

 10.5436, 0.1634,
0.3135

286.7513, 0.2584,
0.3277

 5.7609, 0.1369,
0.3060

342.1823, 0.2614,

 2.7002, 0.1011,

0.3278

0.2919

404.3326, 0.2641,
0.3280

■ 0.9773, 0.0000,
0.2773

■ 0.0000, 0.0000,
0.0000

■ 73.7432, 0.2291,
0.3251

■ 73.7432, 0.2291,
0.3251

■ 72.8939, 0.2256,
0.3246

■ 74.9643, 0.2345,
0.3256


■ 72.3527, 0.2238,
0.3241

■ 76.5941, 0.2419,
0.3262

■ 72.1767, 0.2233,
0.3238

■ 78.6738, 0.2512,
0.3267


■ 81.2375, 0.2623,
0.3273

 84.3160, 0.2750,
0.3278

 87.9377, 0.2890,
0.3283

 92.1286, 0.3040,
0.3288

 95.9632, 0.3165,
0.3292

 96.2081, 0.3165,
0.3296

Harmonies

Analogous

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



73.7432, 0.2648, 0.3799



73.7432, 0.2291, 0.3251



73.7432, 0.2150, 0.2779

Triad

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



73.7432, 0.2291, 0.3251



73.7432, 0.3025, 0.2561



73.7432, 0.4071, 0.4039

Complementary

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



73.7432, 0.2291, 0.3251



24.1116, 0.5742, 0.3318

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.



73.7432, 0.4212, 0.3656



73.7432, 0.2291, 0.3251



73.7432, 0.3579, 0.2843

Square

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



73.7432, 0.2291, 0.3251



73.7432, 0.2543, 0.2435



73.7432, 0.4030, 0.3230



73.7432, 0.3676, 0.4264

Rectangle

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



73.7432, 0.2291, 0.3251



73.7432, 0.2184, 0.2570



73.7432, 0.4030, 0.3230



73.7432, 0.4152, 0.3922

Sweetspot

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



73.7460, 0.2291, 0.3251



89.9299, 0.2785, 0.3279



69.0737, 0.3015, 0.5686



18.9719, 0.2736, 0.3277



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.



73.7460, 0.2291, 0.3251



76.5929, 0.2244, 0.3243



31.2245, 0.1969, 0.2002



19.5585, 0.2980, 0.3286



38.6541, 0.2233, 0.3239



3.5948, 0.2235, 0.3245

Inverse Universe

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



30.1057, 0.3232, 0.1697



28.8557, 0.3245, 0.1587



43.8758, 0.4886, 0.4155



17.5195, 0.3141, 0.3060



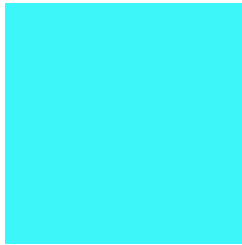
14.3131, 0.3249, 0.1564



1.3271, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 73.7432, 0.2291, 0.3251 looks on a white background.

Color Contrast Check

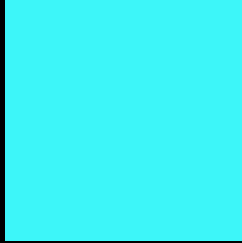
Large Text (above 18pt) WCAG AA × Fail

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 73.7432, 0.2291, 0.3251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

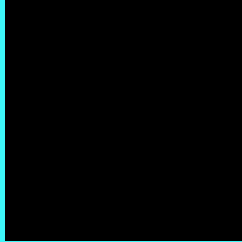
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

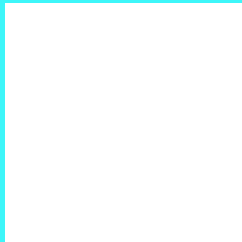
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.7432, 0.2291, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 73.7432, 0.2291, 0.3251.

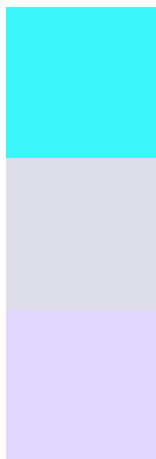


This preview shows how white text looks on a background with the Yxy color 73.7432, 0.2291, 0.3251.

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

73.7432, 0.2291, 0.3251

Protanopia

72.4417, 0.3049, 0.3150

Deuteranopia

72.5005, 0.2945, 0.2886



Tritanopia

73.3130, 0.2427, 0.3101

Trichromacy



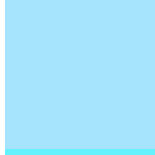
Original Color

73.7432, 0.2291, 0.3251



Protanomaly

70.0571, 0.2658, 0.3172



Deuteranomaly

70.1370, 0.2600, 0.2993



Tritanomaly

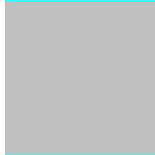
73.4209, 0.2363, 0.3157

Monochromacy



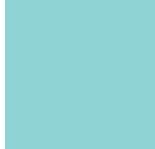
Original Color

73.7432, 0.2291, 0.3251



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.2713, 0.2670, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7432, 0.2291, 0.3251 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(61, 246, 249)` looks like.

```
.text, #text, p{  
    color:rgb(61, 246, 249)  
}
```

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(61, 246, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 246, 249) }
```

Border

The CSS property to change the border of an element to Yxy 73.7432, 0.2291, 0.3251 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(61, 246, 249) }
```

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

```
.border{ border-color:rgb(61, 246, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 246, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 246, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 246, 249);  
box-shadow:4px 4px 4px 4px rgb(61, 246,  
249) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.7432, 0.2291, 0.3251$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 246, 249) }
```

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

```
.background{ background-color: rgb(61, 246,  
249) }
```

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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