

Converting Colors

$Y_{xy}(71.2490, 0.2322, 0.3365)$

Have a look what the booklet for
Yxy(71.2490, 0.2322, 0.3365)
contains.

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Color

Yxy(71.1151, 0.2321, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	3AF3ED
RGB	58, 243, 237
RGB Percent	23%, 95%, 93%
CMY	0.7727, 0.0470, 0.0705
CMYK	0.76, 0.00, 0.02, 0.05
HSL	178°, 89%, 59%
HSV	178°, 76%, 95%
XYZ	49.0806, 71.1151, 91.2676
YIQ	187.0010, -108.3340, -41.0860

Conversions

Conversions Part 2

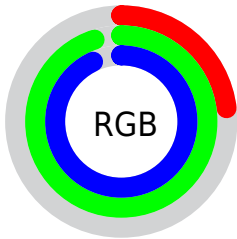
Format	Color
RYB	58, 152, 243
Decimal	3863533
CIELab	87.54, -45.16, -10.06
CIELCh	88, 46.265, 192.553
Yxy	71.1151, 0.2321, 0.3363
Android (android.graphics.Color)	4282053613 (0xFF3AF3ED)
YUV	187.0010, 24.6495, -113.1339
Hunter-Lab	84.3298, -43.6886, -5.1369

Details

The Yxy color **71.1151, 0.2321, 0.3363** 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 **22.4481, 0.5714, 0.3256**, and the grayscale version is **49.5951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **38.4540, 0.2269, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **70.5077, 0.2291, 0.3374**, and if you desaturate by 10%, it is **72.0712, 0.2370, 0.3352**.

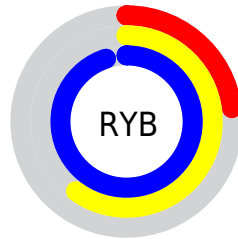
Distribution



Red (23%)

Green (95%)

Blue (93%)



Red (23%)

Yellow (60%)

Blue (95%)

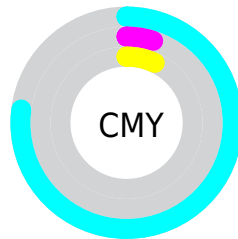


Cyan (76%)

Magenta (0%)

Yellow (2%)

Black (5%)



Cyan (77%)


Magenta (5%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1151, 0.2321, 0.3363 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 71.1151, 0.2321, 0.3363 by changing the saturation by 10% instead.


 71.1151, 0.2321,
0.3363


 71.1151, 0.2321,
0.3363


464.4557, 0.2686,
0.3339

 52.4361, 0.2240,
0.3366

 120.7976, 0.2446,
0.3357


 37.3528, 0.2142,
0.3368


 152.5699, 0.2495,
0.3354

 25.4808, 0.2019,
0.3369


 189.4755, 0.2537,
0.3351

 16.4356, 0.1864,
0.3366

 231.8987, 0.2574,
0.3348

 9.8329, 0.1660,
0.3356

280.2239, 0.2607,
0.3346

 5.2883, 0.1386,
0.3329

334.8355, 0.2636,

 2.4174, 0.1002,

0.3344

396.1180, 0.2662,
0.3341

0.3259

0.8348, 0.0000,
0.3208

0.0000, 0.0000,
0.0000

71.1151, 0.2321,
0.3363

71.1151, 0.2321,
0.3363

70.5077, 0.2291,
0.3374

72.0712, 0.2370,
0.3352


70.1880, 0.2277,
0.3384


73.4108, 0.2439,
0.3342


70.1100, 0.2275,
0.3388

75.1730, 0.2527,
0.3331


77.3903, 0.2633,
0.3321

 80.0916, 0.2755,
0.3312

 83.3039, 0.2890,
0.3303

 87.0519, 0.3034,
0.3295

 91.3587, 0.3186,
0.3287

 91.9016, 0.3199,
0.3280

Harmonies

Analogous

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



71.1151, 0.2728, 0.3922



71.1151, 0.2321, 0.3363



71.1151, 0.2130, 0.2844

Triad

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



71.1151, 0.2321, 0.3363



71.1151, 0.2909, 0.2498



71.1151, 0.4157, 0.3990

Complementary

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



71.1151, 0.2321, 0.3363



22.4481, 0.5714, 0.3256

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.



71.1151, 0.4239, 0.3576



71.1151, 0.2321, 0.3363



71.1151, 0.3480, 0.2759

Square

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



71.1151, 0.2321, 0.3363



71.1151, 0.2444, 0.2405



71.1151, 0.3986, 0.3141



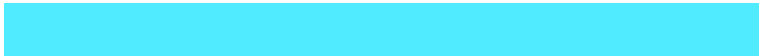
71.1151, 0.3791, 0.4271

Rectangle

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



71.1151, 0.2321, 0.3363



71.1151, 0.2133, 0.2600



71.1151, 0.3986, 0.3141



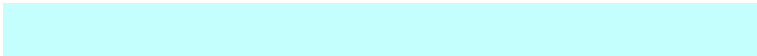
71.1151, 0.4221, 0.3860

Sweetspot

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



71.1178, 0.2321, 0.3363



90.4010, 0.2795, 0.3309



65.5038, 0.3032, 0.5684



19.0885, 0.2748, 0.3312



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.



71.1178, 0.2321, 0.3363



78.4468, 0.2282, 0.3379



31.3670, 0.1987, 0.2083



18.7480, 0.2985, 0.3297



38.4812, 0.2274, 0.3386



3.3850, 0.2270, 0.3373

Inverse Universe

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



22.4481, 0.5714, 0.3256



21.9669, 0.6232, 0.3276



39.4038, 0.4961, 0.4094



16.4912, 0.3289, 0.3283



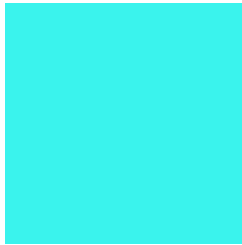
10.4711, 0.6367, 0.3281



0.9233, 0.6282, 0.3234

Previews

White Background



This preview shows how the Yxy color 71.1151, 0.2321, 0.3363 looks on a white background.

Color Contrast Check

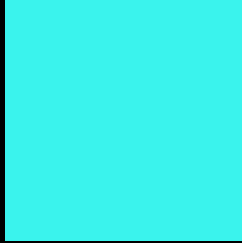
Large Text (above 18pt) WCAG AA × Fail

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 71.1151, 0.2321, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

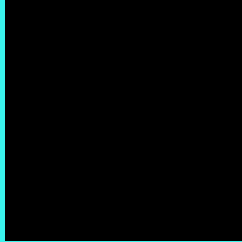
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.1151, 0.2321, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 71.1151, 0.2321, 0.3363.

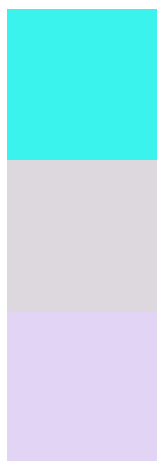


This preview shows how white text looks on a background with the Yxy color 71.1151, 0.2321, 0.3363.

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

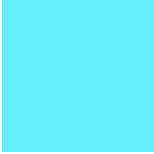
71.1151, 0.2321, 0.3363

Protanopia

69.5478, 0.3123, 0.3235

Deuteranopia

69.7874, 0.3014, 0.2953



Tritanopia

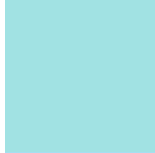
70.6132, 0.2341, 0.3072

Trichromacy



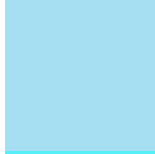
Original Color

71.1151, 0.2321, 0.3363



Protanomaly

67.5158, 0.2706, 0.3277



Deuteranomaly

67.1256, 0.2650, 0.3079



Tritanomaly

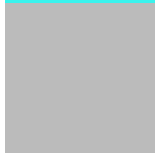
70.4887, 0.2328, 0.3178

Monochromacy



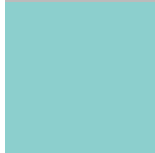
Original Color

71.1151, 0.2321, 0.3363



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.6089, 0.2680, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1151, 0.2321, 0.3363 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, 243, 237)` looks like.

```
.text, #text, p{  
    color:rgb(58, 243, 237)  
}
```

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, 243, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 243, 237) }
```

Border

The CSS property to change the border of an element to Yxy 71.1151, 0.2321, 0.3363 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, 243, 237) }
```

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

```
.border{ border-color:rgb(58, 243, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 243, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 243, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 243, 237);  
box-shadow:4px 4px 4px 4px rgb(58, 243,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1151, 0.2321, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 243, 237) }
```

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

```
.background{ background-color: rgb(58, 243,  
237) }
```

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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