

Converting Colors

$Y_{xy}(70.9952, 0.2342, 0.3561)$

Have a look what the booklet for
Yxy(70.9952, 0.2342, 0.3561)
contains.

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Color

Yxy(70.9937, 0.2341, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	20F5E0
RGB	32, 245, 224
RGB Percent	13%, 96%, 88%
CMY	0.8759, 0.0392, 0.1214
CMYK	0.87, 0.00, 0.09, 0.04
HSL	174°, 91%, 54%
HSV	174°, 87%, 96%
XYZ	46.6975, 70.9937, 81.7854
YIQ	178.9190, -120.2070, -51.6870

Conversions

Conversions Part 2

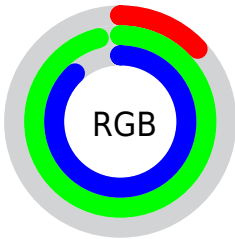
Format	Color
R _{YB}	32, 144, 245
Decimal	2160096
CIE _{Lab}	87.48, -51.51, -3.39
CIE _{LCh}	87, 51.617, 183.761
Y _{xy}	70.9937, 0.2341, 0.3559
Android (android.graphics.Color)	4280350176 (0xFF20F5E0)
YUV	178.9190, 22.2249, -128.8480
Hunter-Lab	84.2578, -48.5225, 1.4302

Details

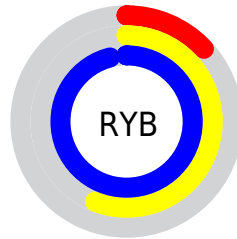
The Yxy color **70.9937, 0.2341, 0.3559** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.6822, 0.5992, 0.3194**, and the grayscale version is **44.9076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **38.8310, 0.2335, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **70.6112, 0.2334, 0.3593**, and if you desaturate by 10%, it is **71.6717, 0.2365, 0.3525**.

Distribution



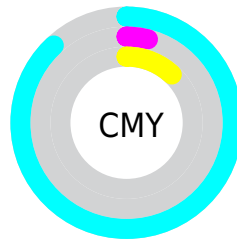
- Red (13%)
- Green (96%)
- Blue (88%)



- Red (13%)
- Yellow (56%)
- Blue (96%)



- Cyan (87%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (88%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9937, 0.2341, 0.3559 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 70.9937, 0.2341, 0.3559 by changing the saturation by 10% instead.

 70.9937, 0.2341,
0.3559


 70.9937, 0.2341,
0.3559


464.0314, 0.2700,
0.3440


 52.3371, 0.2261,
0.3585


 120.6248, 0.2464,
0.3519


 37.2738, 0.2162,
0.3616


 152.3680, 0.2513,
0.3503

 25.4196, 0.2039,
0.3654

 189.2421, 0.2555,
0.3489

 16.3899, 0.1882,
0.3702

 231.6317, 0.2591,
0.3476

 9.8005, 0.1674,
0.3762

279.9210, 0.2623,
0.3466

 5.2669, 0.1391,
0.3838

334.4944, 0.2652,

 2.4047, 0.0955,

0.3456

0.3946

395.7365, 0.2677,
0.3447

■ 0.8283, 0.0000,
0.4188

■ 0.0000, 0.0000,
0.0000

■ 70.9937, 0.2341,
0.3559

■ 70.9937, 0.2341,
0.3559

■ 70.6112, 0.2334,
0.3593


■ 71.6717, 0.2365,
0.3525


■ 70.5276, 0.2334,
0.3602

■ 72.6941, 0.2408,
0.3491


■ 74.1080, 0.2470,
0.3457

■ 75.9512, 0.2552,
0.3424

 78.2571, 0.2651,
0.3392

 81.0557, 0.2765,
0.3362

 84.3744, 0.2891,
0.3333

 88.2388, 0.3027,
0.3307

 92.6726, 0.3169,
0.3283

Harmonies

Analogous

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



70.9937, 0.2843, 0.4156



70.9937, 0.2341, 0.3559



70.9937, 0.2061, 0.2937

Triad

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



70.9937, 0.2341, 0.3559



70.9937, 0.2713, 0.2367



70.9937, 0.4336, 0.3928

Complementary

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



70.9937, 0.2341, 0.3559



20.6822, 0.5992, 0.3194

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.



70.9937, 0.4324, 0.3454



70.9937, 0.2341, 0.3559



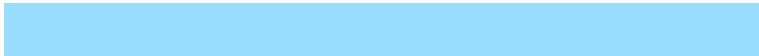
70.9937, 0.3328, 0.2604

Square

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



70.9937, 0.2341, 0.3559



70.9937, 0.2260, 0.2324



70.9937, 0.3941, 0.2988



70.9937, 0.4003, 0.4309

Rectangle

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



70.9937, 0.2341, 0.3559



70.9937, 0.2016, 0.2624



70.9937, 0.3941, 0.2988



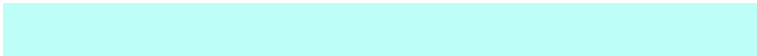
70.9937, 0.4375, 0.3774

Sweetspot

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



70.9964, 0.2341, 0.3559



89.1077, 0.2777, 0.3359



66.1701, 0.3046, 0.5864



18.8272, 0.2736, 0.3369



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.



70.9964, 0.2341, 0.3559



77.2292, 0.2334, 0.3603



31.9206, 0.1940, 0.2093



18.7281, 0.2994, 0.3313



38.0025, 0.2333, 0.3597



3.3480, 0.2321, 0.3554

Inverse Universe

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



20.6822, 0.5992, 0.3194



21.3305, 0.6313, 0.3251



32.2379, 0.5416, 0.3944



16.5090, 0.3278, 0.3267



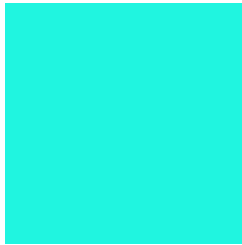
10.5026, 0.6288, 0.3238



0.9318, 0.6056, 0.3110

Previews

White Background



This preview shows how the Yxy color 70.9937, 0.2341, 0.3559 looks on a white background.

Color Contrast Check

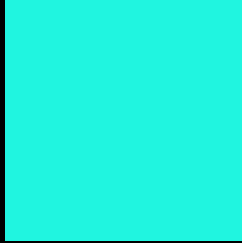
Large Text (above 18pt) WCAG AA × Fail

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 70.9937, 0.2341, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

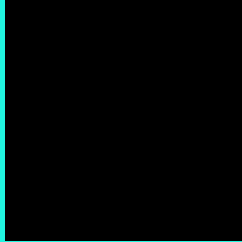
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

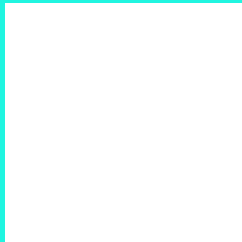
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9937, 0.2341, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 70.9937, 0.2341, 0.3559.

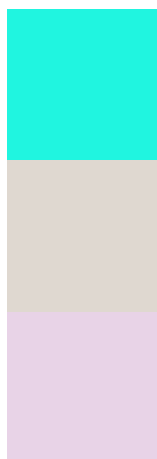


This preview shows how white text looks on a background with the Yxy color 70.9937, 0.2341, 0.3559.

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

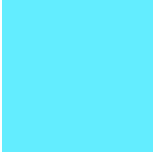
70.9937, 0.2341, 0.3559

Protanopia

69.3538, 0.3233, 0.3378

Deuteranopia

69.5139, 0.3144, 0.3079



Tritanopia

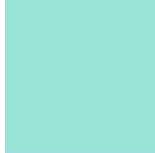
70.4410, 0.2332, 0.3072

Trichromacy



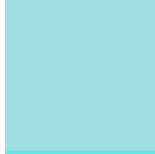
Original Color

70.9937, 0.2341, 0.3559



Protanomaly

66.5655, 0.2733, 0.3449



Deuteranomaly

65.7477, 0.2686, 0.3229



Tritanomaly

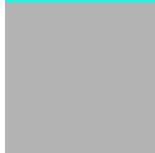
70.3477, 0.2319, 0.3238

Monochromacy



Original Color

70.9937, 0.2341, 0.3559



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

51.0120, 0.2643, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9937, 0.2341, 0.3559 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(32, 245, 224)` looks like.

```
.text, #text, p{  
    color:rgb(32, 245, 224)  
}
```

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(32, 245, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 245, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.9937, 0.2341, 0.3559 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(32, 245, 224) }
```

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

```
.border{ border-color:rgb(32, 245, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 245, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 245, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 245, 224);  
box-shadow:4px 4px 4px 4px rgb(32, 245,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9937, 0.2341, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 245, 224) }
```

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

```
.background{ background-color: rgb(32, 245,  
224) }
```

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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