

Converting Colors

$Y_{xy}(70.7223, 0.2350, 0.3595)$

Have a look what the booklet for
Yxy(70.7223, 0.2350, 0.3595)
contains.

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Color

Yxy(70.8013, 0.2351, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	1EF5DD
RGB	30, 245, 221
RGB Percent	12%, 96%, 87%
CMY	0.8825, 0.0392, 0.1333
CMYK	0.88, 0.00, 0.10, 0.04
HSL	173°, 91%, 54%
HSV	173°, 88%, 96%
XYZ	46.2372, 70.8013, 79.6318
YIQ	177.9790, -120.4360, -53.0440

Conversions

Conversions Part 2

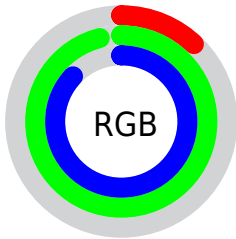
Format	Color
<code>RYB</code>	<code>30, 144, 245</code>
Decimal	<code>2029021</code>
CIELab	<code>87.39, -52.40, -1.94</code>
CIELCh	<code>87, 52.438, 182.117</code>
Yxy	<code>70.8013, 0.2351, 0.3600</code>
Android (<code>android.graphics.Color</code>)	<code>4280219101 (0xFF1EF5DD)</code>
YUV	<code>177.9790, 21.2094, -129.7776</code>
Hunter-Lab	<code>84.1435, -49.1647, 2.7895</code>

Details

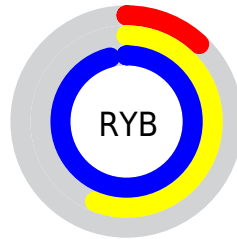
The Yxy color **70.8013, 0.2351, 0.3600** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.6065, 0.5984, 0.3179**, and the grayscale version is **44.4385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **38.7196, 0.2350, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **70.4191, 0.2346, 0.3639**, and if you desaturate by 10%, it is **71.4728, 0.2373, 0.3561**.

Distribution



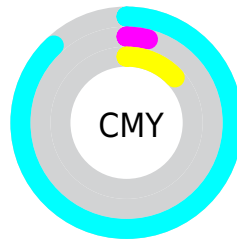
- Red (12%)
- Green (96%)
- Blue (87%)



- Red (12%)
- Yellow (56%)
- Blue (96%)



- Cyan (88%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)





- Cyan (88%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8013, 0.2351, 0.3600 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 70.8013, 0.2351, 0.3600 by changing the saturation by 10% instead.

 70.8013, 0.2351,
0.3600

 70.8013, 0.2351,
0.3600


463.3585, 0.2707,
0.3460

 52.1801, 0.2271,
0.3631


 120.3508, 0.2473,
0.3552

 37.1486, 0.2173,
0.3669


 152.0478, 0.2521,
0.3533

 25.3226, 0.2051,
0.3715


 188.8721, 0.2563,
0.3517

 16.3176, 0.1894,
0.3774

 231.2083, 0.2599,
0.3503

 9.7491, 0.1686,
0.3851

279.4406, 0.2631,
0.3490

 5.2329, 0.1401,
0.3952


333.9535, 0.2659,

 2.3846, 0.0949,


0.3479


0.4110


395.1313, 0.2684,
0.3469


 0.8179, 0.0000,
0.4433


 0.0000, 0.0000,
0.0000


 70.8013, 0.2351,
0.3600


 70.8013, 0.2351,
0.3600


 70.4191, 0.2346,
0.3639

 71.4728, 0.2373,
0.3561

 70.3519, 0.2346,
0.3647


 72.4858, 0.2413,
0.3522

 73.8881, 0.2474,
0.3483


 75.7178, 0.2553,
0.3445

 78.0084, 0.2650,
0.3409

 80.7903, 0.2761,
0.3374

 84.0911, 0.2886,
0.3341

 87.9363, 0.3019,
0.3311

 92.3500, 0.3159,
0.3284

Harmonies

Analogous

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



70.8013, 0.2870, 0.4198



70.8013, 0.2351, 0.3600



70.8013, 0.2054, 0.2961

Triad

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



70.8013, 0.2351, 0.3600



70.8013, 0.2675, 0.2346



70.8013, 0.4365, 0.3910

Complementary

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



70.8013, 0.2351, 0.3600



20.6065, 0.5984, 0.3179

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.



70.8013, 0.4332, 0.3427



70.8013, 0.2351, 0.3600



70.8013, 0.3295, 0.2576

Square

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



70.8013, 0.2351, 0.3600



70.8013, 0.2228, 0.2314



70.8013, 0.3925, 0.2958



70.8013, 0.4041, 0.4308

Rectangle

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



70.8013, 0.2351, 0.3600



70.8013, 0.1999, 0.2634



70.8013, 0.3925, 0.2958



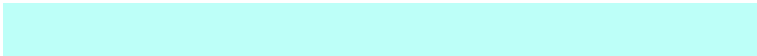
70.8013, 0.4397, 0.3753

Sweetspot

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



70.8040, 0.2351, 0.3600



89.0528, 0.2782, 0.3368



66.2156, 0.3054, 0.5866



18.8139, 0.2741, 0.3380



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.



70.8040, 0.2351, 0.3600



77.0401, 0.2347, 0.3648



32.9120, 0.1949, 0.2136



18.7241, 0.2996, 0.3316



37.9110, 0.2345, 0.3641



3.3409, 0.2331, 0.3592

Inverse Universe

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



20.6065, 0.5984, 0.3179



21.3461, 0.6294, 0.3241



31.1837, 0.5476, 0.3905



16.5126, 0.3276, 0.3264



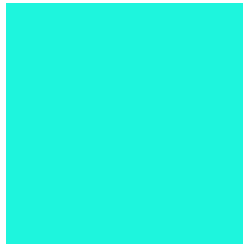
10.5112, 0.6267, 0.3226



0.9335, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 70.8013, 0.2351, 0.3600 looks on a white background.

Color Contrast Check

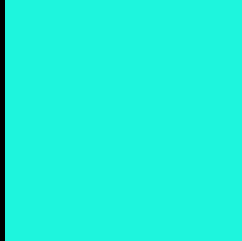
Large Text (above 18pt) WCAG AA × Fail

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 70.8013, 0.2351, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

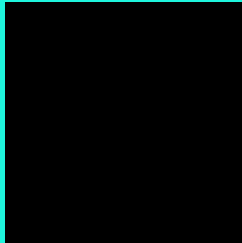
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8013, 0.2351, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 70.8013, 0.2351, 0.3600.

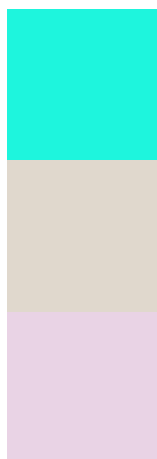


This preview shows how white text looks on a background with the Yxy color 70.8013, 0.2351, 0.3600.

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

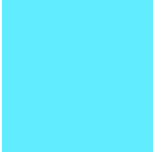
70.8013, 0.2351, 0.3600

Protanopia

69.3668, 0.3261, 0.3411

Deuteranopia

69.5693, 0.3166, 0.3100



Tritanopia

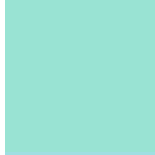
70.3298, 0.2326, 0.3072

Trichromacy



Original Color

70.8013, 0.2351, 0.3600



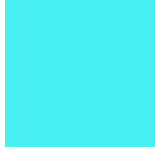
Protanomaly

66.4136, 0.2749, 0.3487



Deuteranomaly

65.6373, 0.2696, 0.3253



Tritanomaly

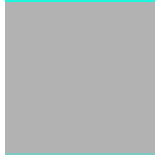
70.2077, 0.2319, 0.3250

Monochromacy



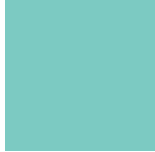
Original Color

70.8013, 0.2351, 0.3600



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.4212, 0.2641, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8013, 0.2351, 0.3600 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(30, 245, 221)` looks like.

```
.text, #text, p{  
    color:rgb(30, 245, 221)  
}
```

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(30, 245, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 245, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.8013, 0.2351, 0.3600 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(30, 245, 221) }
```

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

```
.border{ border-color:rgb(30, 245, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 245, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 245, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 245, 221);  
box-shadow:4px 4px 4px 4px rgb(30, 245,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8013, 0.2351, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 245, 221) }
```

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

```
.background{ background-color: rgb(30, 245,  
221) }
```

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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