

Converting Colors

$Y_{xy}(71.4201, 0.2351, 0.3607)$

Have a look what the booklet for
Yxy(71.4201, 0.2351, 0.3607)
contains.

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Color

Yxy(71.3789, 0.2353, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	1DF6DD
RGB	29, 246, 221
RGB Percent	11%, 96%, 87%
CMY	0.8877, 0.0353, 0.1333
CMYK	0.88, 0.00, 0.10, 0.04
HSL	173°, 92%, 54%
HSV	173°, 88%, 96%
XYZ	46.4990, 71.3789, 79.7381
YIQ	178.2670, -121.3070, -53.7790

Conversions

Conversions Part 2

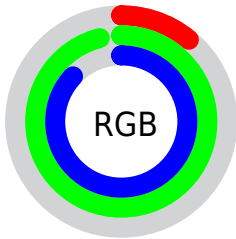
Format	Color
R _Y B	29, 144, 246
Decimal	1963741
CIE Lab	87.67, -52.87, -1.53
CIE LCh	88, 52.892, 181.662
Yxy	71.3789, 0.2353, 0.3612
Android (android.graphics.Color)	4280153821 (0xFF1DF6DD)
YUV	178.2670, 21.0674, -130.9072
Hunter-Lab	84.4860, -49.6085, 3.1822

Details

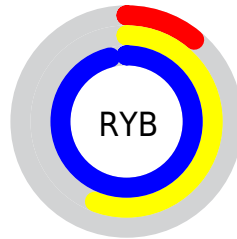
The Yxy color **71.3789, 0.2353, 0.3612** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.7145, 0.5997, 0.3178**, and the grayscale version is **44.5395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **39.1484, 0.2354, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **71.0023, 0.2349, 0.3652**, and if you desaturate by 10%, it is **72.0409, 0.2373, 0.3572**.

Distribution



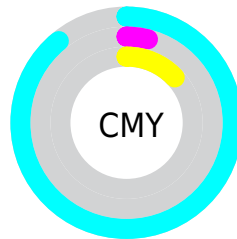
- Red (11%)
- Green (96%)
- Blue (87%)



- Red (11%)
- Yellow (56%)
- Blue (96%)



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





- Cyan (89%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3789, 0.2353, 0.3612 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 71.3789, 0.2353, 0.3612 by changing the saturation by 10% instead.

 71.3789, 0.2353,
0.3612


 71.3789, 0.2353,
0.3612


465.3769, 0.2707,
0.3466

 52.6515, 0.2273,
0.3644


 121.1731, 0.2475,
0.3562

 37.5246, 0.2176,
0.3684


 153.0086, 0.2523,
0.3543

 25.6139, 0.2054,
0.3733


 189.9823, 0.2564,
0.3526

 16.5350, 0.1898,
0.3795

 232.4785, 0.2600,
0.3511

 9.9036, 0.1691,
0.3876

280.8817, 0.2632,
0.3498

 5.3351, 0.1408,
0.3984


335.5762, 0.2660,

 2.4452, 0.0965,


0.3486


0.4149


396.9465, 0.2685,
0.3476


 0.8490, 0.0000,
0.4511


 0.0000, 0.0000,
0.0000


 71.3789, 0.2353,
0.3612


 71.3789, 0.2353,
0.3612


 71.0023, 0.2349,
0.3652


 72.0409, 0.2373,
0.3572


 70.9520, 0.2350,
0.3658


 73.0449, 0.2412,
0.3531


 74.4394, 0.2471,
0.3491


 76.2634, 0.2549,
0.3452

 78.5510, 0.2645,
0.3414

 81.3329, 0.2756,
0.3378

 84.6372, 0.2879,
0.3345

 88.4898, 0.3011,
0.3314

 92.9150, 0.3150,
0.3286

Harmonies

Analogous

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



71.3789, 0.2877, 0.4211



71.3789, 0.2353, 0.3612



71.3789, 0.2051, 0.2967

Triad

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



71.3789, 0.2353, 0.3612



71.3789, 0.2664, 0.2339



71.3789, 0.4374, 0.3906

Complementary

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



71.3789, 0.2353, 0.3612



20.7145, 0.5997, 0.3178

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.



71.3789, 0.4336, 0.3420



71.3789, 0.2353, 0.3612



71.3789, 0.3285, 0.2568

Square

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



71.3789, 0.2353, 0.3612



71.3789, 0.2218, 0.2310



71.3789, 0.3921, 0.2950



71.3789, 0.4053, 0.4309

Rectangle

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



71.3789, 0.2353, 0.3612



71.3789, 0.1994, 0.2637



71.3789, 0.3921, 0.2950



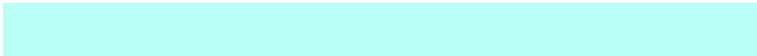
71.3789, 0.4405, 0.3747

Sweetspot

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



71.3816, 0.2353, 0.3612



88.6987, 0.2771, 0.3374



66.7758, 0.3052, 0.5875



18.7454, 0.2731, 0.3386



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.



71.3816, 0.2353, 0.3612



76.9941, 0.2350, 0.3659



32.9863, 0.1945, 0.2127



18.7231, 0.2996, 0.3317



37.8888, 0.2348, 0.3652



3.3392, 0.2334, 0.3602

Inverse Universe

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



20.7145, 0.5997, 0.3178



21.3502, 0.6289, 0.3238



31.2559, 0.5493, 0.3901



16.5135, 0.3276, 0.3263



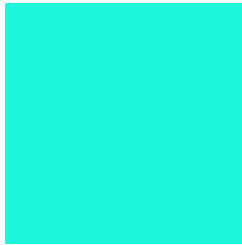
10.5135, 0.6262, 0.3223



0.9339, 0.6003, 0.3080

Previews

White Background



This preview shows how the Yxy color 71.3789, 0.2353, 0.3612 looks on a white background.

Color Contrast Check

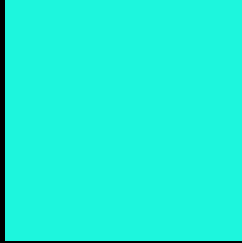
Large Text (above 18pt) WCAG AA × Fail

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 71.3789, 0.2353, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

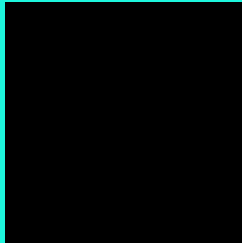
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3789, 0.2353, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 71.3789, 0.2353, 0.3612.

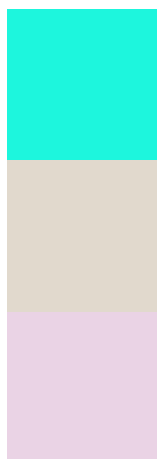


This preview shows how white text looks on a background with the Yxy color 71.3789, 0.2353, 0.3612.

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

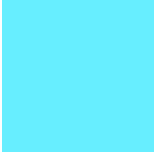
71.3932, 0.2353, 0.3612

Protanopia

70.0410, 0.3268, 0.3422

Deuteranopia

69.7381, 0.3173, 0.3100



Tritanopia

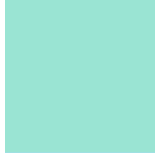
71.2526, 0.2347, 0.3085

Trichromacy



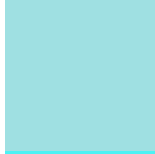
Original Color

71.3932, 0.2353, 0.3612



Protanomaly

67.0600, 0.2756, 0.3499



Deuteranomaly

66.1732, 0.2698, 0.3265



Tritanomaly

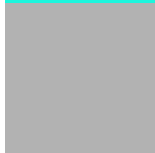
70.9182, 0.2329, 0.3263

Monochromacy



Original Color

71.3932, 0.2353, 0.3612



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.8920, 0.2643, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3789, 0.2353, 0.3612 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(29, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(29, 246, 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(29, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 246, 221) }
```

Border

The CSS property to change the border of an element to Yxy 71.3789, 0.2353, 0.3612 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(29, 246, 221) }
```

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

```
.border{ border-color:rgb(29, 246, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 246, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(29, 246,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3789, 0.2353, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 246, 221) }
```

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

```
.background{ background-color: rgb(29, 246,  
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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