

Converting Colors

$Y_{xy}(72.3995, 0.2351, 0.3647)$

Have a look what the booklet for
Yxy(72.3995, 0.2351, 0.3647)
contains.

Yxy(72.3733, 0.2352, 0.3651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.3733, 0.2352, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	0BF8DC
RGB	11, 248, 220
RGB Percent	4%, 97%, 86%
CMY	0.9574, 0.0274, 0.1372
CMYK	0.96, 0.00, 0.11, 0.03
HSL	173°, 94%, 51%
HSV	173°, 96%, 97%
XYZ	46.6234, 72.3733, 79.2320
YIQ	173.9450, -132.2640, -58.9520

Conversions

Conversions Part 2

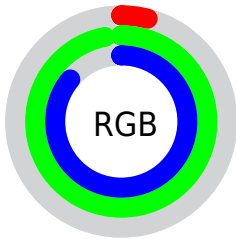
Format	Color
RYB	11, 137, 248
Decimal	784604
CIELab	88.15, -54.58, -0.33
CIELCh	88, 54.586, 180.342
Yxy	72.3733, 0.2352, 0.3651
Android (android.graphics.Color)	4278974684 (0xFF0BF8DC)
YUV	173.9450, 22.7051, -142.9028
Hunter-Lab	85.0725, -51.0512, 4.3312

Details

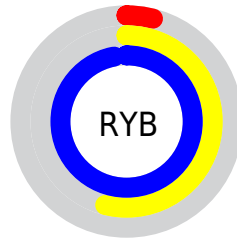
The Yxy color **72.3733, 0.2352, 0.3651** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.3392, 0.6192, 0.3213**, and the grayscale version is **42.2107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **39.5435, 0.2363, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **72.2381, 0.2353, 0.3669**, and if you desaturate by 10%, it is **72.8314, 0.2359, 0.3610**.

Distribution



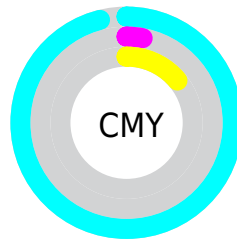
- Red (4%)
- Green (97%)
- Blue (86%)



- Red (4%)
- Yellow (54%)
- Blue (97%)



- Cyan (96%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





- Cyan (96%)
- Magenta (3%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3733, 0.2352, 0.3651 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 72.3733, 0.2352, 0.3651 by changing the saturation by 10% instead.


 72.3733, 0.2352,
0.3651


 72.3733, 0.2352,
0.3651


468.8399, 0.2707,
0.3486


 53.4637, 0.2272,
0.3688


 122.5871, 0.2474,
0.3594


 38.1730, 0.2175,
0.3733


 154.6601, 0.2522,
0.3572


 26.1170, 0.2053,
0.3789

 191.8897, 0.2563,
0.3553

 16.9112, 0.1897,
0.3861


 234.6602, 0.2599,
0.3536

 10.1712, 0.1691,
0.3956

 283.3561, 0.2631,
0.3522

 5.5126, 0.1408,
0.4086


338.3617, 0.2659,

 2.5511, 0.0970,


0.3509


0.4286


400.0615, 0.2684,
0.3497


 0.9021, 0.0000,
0.4729


 0.0000, 0.0000,
0.0000

 72.3733, 0.2352,
0.3651

 72.3733, 0.2352,
0.3651


 72.2381, 0.2353,
0.3669

 72.8314, 0.2359,
0.3610


 73.5969, 0.2384,
0.3569


 74.7274, 0.2429,
0.3527


 76.2677, 0.2493,
0.3486

 78.2559, 0.2575,
0.3446

 80.7257, 0.2675,
0.3408

 83.7077, 0.2789,
0.3371

 87.2299, 0.2915,
0.3337

 91.3183, 0.3049,
0.3306

Harmonies

Analogous

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



72.3733, 0.2896, 0.4260



72.3733, 0.2352, 0.3651



72.3733, 0.2033, 0.2982

Triad

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



72.3733, 0.2352, 0.3651



72.3733, 0.2627, 0.2311



72.3733, 0.4413, 0.3897

Complementary

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



72.3733, 0.2352, 0.3651



20.3392, 0.6192, 0.3213

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.



72.3733, 0.4358, 0.3398



72.3733, 0.2352, 0.3651



72.3733, 0.3259, 0.2536

Square

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



72.3733, 0.2352, 0.3651



72.3733, 0.2181, 0.2290



72.3733, 0.3917, 0.2921



72.3733, 0.4096, 0.4319

Rectangle

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



72.3733, 0.2352, 0.3651



72.3733, 0.1967, 0.2637



72.3733, 0.3917, 0.2921



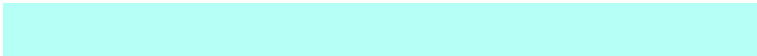
72.3733, 0.4440, 0.3733

Sweetspot

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



72.3761, 0.2352, 0.3651



88.0203, 0.2749, 0.3383



67.6641, 0.3040, 0.5945



18.5525, 0.2700, 0.3399



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.



72.3761, 0.2352, 0.3651



76.9509, 0.2353, 0.3669



32.3567, 0.1916, 0.2078



19.5712, 0.2996, 0.3318



39.0352, 0.2351, 0.3662



3.6250, 0.2337, 0.3613

Inverse Universe

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



20.3392, 0.6192, 0.3213



21.3542, 0.6284, 0.3235



28.6826, 0.5721, 0.3805



17.2585, 0.3275, 0.3262



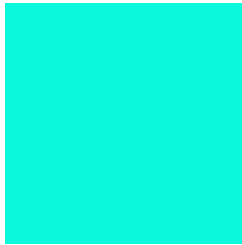
10.8395, 0.6258, 0.3221



1.0143, 0.6008, 0.3083

Previews

White Background



This preview shows how the Yxy color 72.3733, 0.2352, 0.3651 looks on a white background.

Color Contrast Check

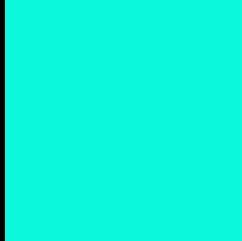
Large Text (above 18pt) WCAG AA × Fail

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 72.3733, 0.2352, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

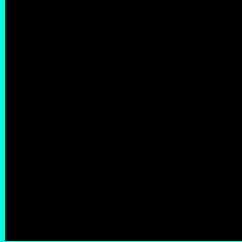
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3733, 0.2352, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 72.3733, 0.2352, 0.3651.



This preview shows how white text looks on a background with the Yxy color 72.3733, 0.2352, 0.3651.

Color Blindness Simulation

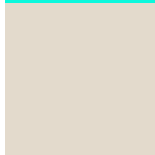
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



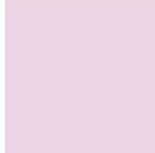
Original Color

72.3733, 0.2352, 0.3651



Protanopia

70.8333, 0.3288, 0.3443



Deuteranopia

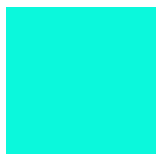
70.5213, 0.3194, 0.3122



Tritanopia

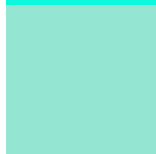
71.8138, 0.2377, 0.3086

Trichromacy



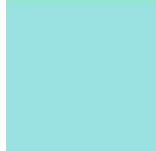
Original Color

72.3733, 0.2352, 0.3651



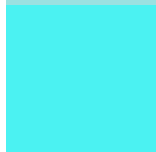
Protanomaly

66.9877, 0.2729, 0.3525



Deuteranomaly

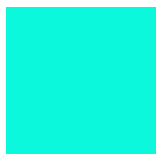
66.1567, 0.2677, 0.3289



Tritanomaly

71.4109, 0.2333, 0.3288

Monochromacy



Original Color

72.3733, 0.2352, 0.3651



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.1797, 0.2606, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3733, 0.2352, 0.3651 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(11, 248, 220)` looks like.

```
.text, #text, p{  
    color:rgb(11, 248, 220)  
}
```

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(11, 248, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 248, 220) }
```

Border

The CSS property to change the border of an element to Yxy 72.3733, 0.2352, 0.3651 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(11, 248, 220) }
```

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

```
.border{ border-color:rgb(11, 248, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 248, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 248, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 248, 220);  
box-shadow:4px 4px 4px 4px rgb(11, 248,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3733, 0.2352, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 248, 220) }
```

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

```
.background{ background-color: rgb(11, 248,  
220) }
```

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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