

Converting Colors

$Y_{xy}(71.7832, 0.2524, 0.4259)$

Have a look what the booklet for
Yxy(71.7832, 0.2524, 0.4259)
contains.

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Color

Yxy(71.7274, 0.2523, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	0EFAB3
RGB	14, 250, 179
RGB Percent	5%, 98%, 70%
CMY	0.9440, 0.0196, 0.2980
CMYK	0.94, 0.00, 0.28, 0.02
HSL	162°, 96%, 52%
HSV	162°, 94%, 98%
XYZ	42.5107, 71.7274, 54.2547
YIQ	171.3420, -117.8650, -72.1130

Conversions

Conversions Part 2

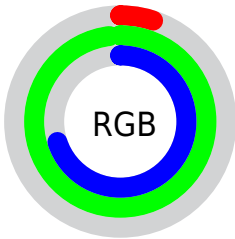
Format	Color
RYB	14, 153, 250
Decimal	981683
CIELab	87.84, -65.20, 20.47
CIELCh	88, 68.337, 162.569
Yxy	71.7274, 0.2523, 0.4257
Android (android.graphics.Color)	4279171763 (0xFF0EFAB3)
YUV	171.3420, 3.7754, -137.9889
Hunter-Lab	84.6920, -58.6139, 21.3026

Details

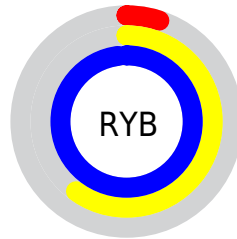
The Yxy color **71.7274, 0.2523, 0.4257** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.3084, 0.5638, 0.2913**, and the grayscale version is **40.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3001, 0.2519, 0.3525**, and **39.2056, 0.2572, 0.4458** is the 20% darker color. If you saturate the color by 10%, you get **71.4633, 0.2534, 0.4322**, and if you desaturate by 10%, it is **72.3845, 0.2515, 0.4142**.

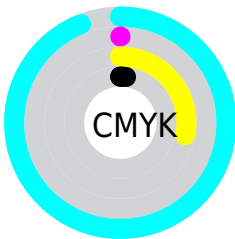
Distribution



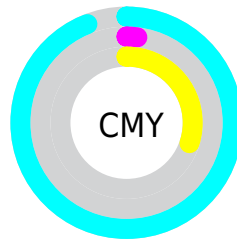
- Red (5%)
- Green (98%)
- Blue (70%)



- Red (5%)
- Yellow (60%)
- Blue (98%)



- Cyan (94%)
- Magenta (0%)
- Yellow (28%)
- Black (2%)



- Cyan (94%)
- Magenta (2%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7274, 0.2523, 0.4257 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 71.7274, 0.2523, 0.4257 by changing the saturation by 10% instead.


 71.7274, 0.2523,
0.4257

 71.7274, 0.2523,
0.4257

466.5922, 0.2815,
0.3780


 52.9360, 0.2453,
0.4373

 121.6689, 0.2627,
0.4085

 37.7517, 0.2366,
0.4521


 153.5878, 0.2667,
0.4021


 25.7900, 0.2253,
0.4714


 190.6513, 0.2701,
0.3965

 16.6666, 0.2101,
0.4976

 233.2439, 0.2730,
0.3918

 9.9971, 0.1891,
0.5351

 281.7498, 0.2755,
0.3877

 5.3970, 0.1581,
0.5920


336.5536, 0.2778,


 2.4820, 0.0818,

0.3840

0.7120


398.0396, 0.2798,
0.3808


 0.8676, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 71.7274, 0.2523,
0.4257


 71.7274, 0.2523,
0.4257


 71.4633, 0.2534,
0.4322

 72.3845, 0.2515,
0.4142


 73.3771, 0.2528,
0.4026


 74.7627, 0.2560,
0.3910

 76.5858, 0.2612,
0.3797

 78.8850, 0.2682,
0.3689

 81.6946, 0.2767,
0.3586

 85.0453, 0.2863,
0.3490

 88.9658, 0.2968,
0.3402

 93.4825, 0.3079,
0.3322

Harmonies

Analogous

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



71.7274, 0.3279, 0.4785



71.7274, 0.2523, 0.4257



71.7274, 0.1973, 0.3368

Triad

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



71.7274, 0.2523, 0.4257



71.7274, 0.2155, 0.2056



71.7274, 0.4753, 0.3632

Complementary

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



71.7274, 0.2523, 0.4257



21.3084, 0.5638, 0.2913

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.



71.7274, 0.4394, 0.3048



71.7274, 0.2523, 0.4257



71.7274, 0.2796, 0.2190

Square

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



71.7274, 0.2523, 0.4257



71.7274, 0.1799, 0.2179



71.7274, 0.3631, 0.2541



71.7274, 0.4592, 0.4225

Rectangle

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



71.7274, 0.2523, 0.4257



71.7274, 0.1778, 0.2828



71.7274, 0.3631, 0.2541



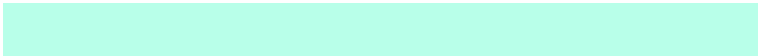
71.7274, 0.4692, 0.3433

Sweetspot

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



71.7302, 0.2523, 0.4257



87.5725, 0.2826, 0.3525



70.5323, 0.3174, 0.5832



18.4250, 0.2785, 0.3566



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.



71.7302, 0.2523, 0.4257



74.7421, 0.2534, 0.4323



51.5249, 0.2095, 0.2718



19.5143, 0.3021, 0.3362



37.9284, 0.2529, 0.4303



3.5316, 0.2491, 0.4166

Inverse Universe

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



21.3084, 0.5638, 0.2913



21.7931, 0.5807, 0.2973



23.3343, 0.6110, 0.3477



17.3113, 0.3246, 0.3219



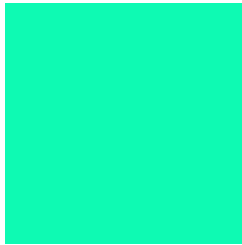
11.0743, 0.5762, 0.2948



1.0436, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 71.7274, 0.2523, 0.4257 looks on a white background.

Color Contrast Check

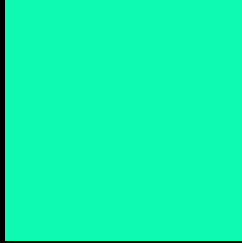
Large Text (above 18pt) WCAG AA × Fail

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 71.7274, 0.2523, 0.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

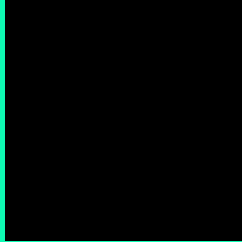
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7274, 0.2523, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 71.7274, 0.2523, 0.4257.

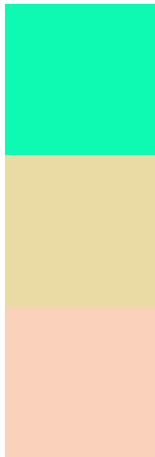


This preview shows how white text looks on a background with the Yxy color 71.7274, 0.2523, 0.4257.

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

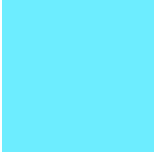
71.7192, 0.2523, 0.4257

Protanopia

70.3156, 0.3625, 0.3879

Deuteranopia

70.0480, 0.3597, 0.3521



Tritanopia

71.0396, 0.2364, 0.3074

Trichromacy



Original Color

71.7192, 0.2523, 0.4257



Protanomaly

66.3282, 0.2995, 0.4072



Deuteranomaly

65.2457, 0.2964, 0.3792



Tritanomaly

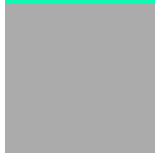
70.5462, 0.2392, 0.3479

Monochromacy



Original Color

71.7192, 0.2523, 0.4257



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.9420, 0.2697, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7274, 0.2523, 0.4257 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(14, 250, 179)` looks like.

```
.text, #text, p{  
    color:rgb(14, 250, 179)  
}
```

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(14, 250, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 250, 179) }
```

Border

The CSS property to change the border of an element to Yxy 71.7274, 0.2523, 0.4257 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(14, 250, 179) }
```

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

```
.border{ border-color:rgb(14, 250, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 250, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 250, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 250, 179);  
box-shadow:4px 4px 4px 4px rgb(14, 250,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7274, 0.2523, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 250, 179) }
```

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

```
.background{ background-color: rgb(14, 250,  
179) }
```

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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