

Converting Colors

$Yxy(71.6140, 0.2325, 0.3502)$

Have a look what the booklet for
Yxy(71.6140, 0.2325, 0.3502)
contains.

Yxy(71.8758, 0.2326, 0.3505)	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(71.8758, 0.2326, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	20F6E5
RGB	32, 246, 229
RGB Percent	13%, 96%, 90%
CMY	0.8738, 0.0353, 0.1019
CMYK	0.87, 0.00, 0.07, 0.04
HSL	175°, 92%, 55%
HSV	175°, 87%, 96%
XYZ	47.6985, 71.8758, 85.4922
YIQ	180.0760, -122.0870, -50.6550

Conversions

Conversions Part 2

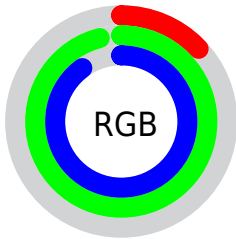
Format	Color
R _Y B	32, 143, 246
Decimal	2160357
CIE Lab	87.91, -50.55, -5.36
CIE LCh	88, 50.829, 186.049
Yxy	71.8758, 0.2326, 0.3505
Android (android.graphics.Color)	4280350437 (0xFF20F6E5)
YUV	180.0760, 24.1195, -129.8627
Hunter-Lab	84.7796, -47.9371, -0.4426

Details

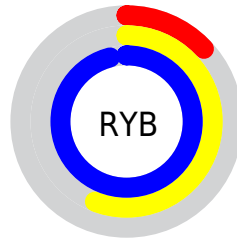
The Yxy color **71.8758, 0.2326, 0.3505** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.8584, 0.6028, 0.3217**, and the grayscale version is **45.6317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **39.4512, 0.2315, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **71.5089, 0.2317, 0.3532**, and if you desaturate by 10%, it is **72.5417, 0.2352, 0.3478**.

Distribution



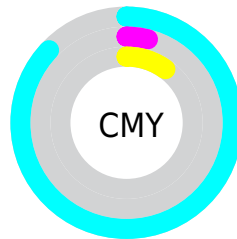
- Red (13%)
- Green (96%)
- Blue (90%)



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



- Cyan (87%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (87%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8758, 0.2326, 0.3505 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 71.8758, 0.2326, 0.3505 by changing the saturation by 10% instead.


 71.8758, 0.2326,
0.3505

 71.8758, 0.2326,
0.3505


467.1092, 0.2690,
0.3413


 53.0572, 0.2245,
0.3524

 121.8799, 0.2451,
0.3474


 37.8485, 0.2146,
0.3547


 153.8343, 0.2500,
0.3462

 25.8651, 0.2023,
0.3574

 190.9360, 0.2542,
0.3451

 16.7227, 0.1866,
0.3606

 233.5695, 0.2579,
0.3442

 10.0370, 0.1660,
0.3645

282.1192, 0.2612,
0.3433

 5.4235, 0.1380,
0.3689

336.9694, 0.2641,

 2.4978, 0.0973,

0.3426

0.3736

398.5046, 0.2667,
0.3419

■ 0.8756, 0.0000,
0.3890

■ 0.0000, 0.0000,
0.0000

■ 71.8758, 0.2326,
0.3505

■ 71.8758, 0.2326,
0.3505

■ 71.5089, 0.2317,
0.3532


■ 72.5417, 0.2352,
0.3478

■ 71.4268, 0.2317,
0.3540


■ 73.5555, 0.2396,
0.3451


■ 74.9646, 0.2460,
0.3424


■ 76.8069, 0.2544,
0.3397

 79.1162, 0.2644,
0.3371

 81.9227, 0.2761,
0.3347

 85.2541, 0.2889,
0.3324

 89.1361, 0.3027,
0.3303

 93.5928, 0.3172,
0.3284

Harmonies

Analogous

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



71.8758, 0.2806, 0.4101



71.8758, 0.2326, 0.3505



71.8758, 0.2069, 0.2905

Triad

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



71.8758, 0.2326, 0.3505



71.8758, 0.2762, 0.2394



71.8758, 0.4300, 0.3952

Complementary

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



71.8758, 0.2326, 0.3505



20.8584, 0.6028, 0.3217

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.



71.8758, 0.4315, 0.3489



71.8758, 0.2326, 0.3505



71.8758, 0.3374, 0.2640

Square

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



71.8758, 0.2326, 0.3505



71.8758, 0.2301, 0.2337



71.8758, 0.3965, 0.3027



71.8758, 0.3952, 0.4311

Rectangle

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



71.8758, 0.2326, 0.3505



71.8758, 0.2037, 0.2608



71.8758, 0.3965, 0.3027



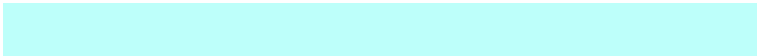
71.8758, 0.4346, 0.3803

Sweetspot

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



71.8785, 0.2326, 0.3505



89.1858, 0.2771, 0.3345



66.6943, 0.3038, 0.5868



18.8460, 0.2729, 0.3353



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.



71.8785, 0.2326, 0.3505



77.5029, 0.2317, 0.3540



31.0460, 0.1927, 0.2043



18.7338, 0.2991, 0.3309



38.1350, 0.2315, 0.3536



3.3583, 0.2306, 0.3502

Inverse Universe

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



20.8584, 0.6028, 0.3217



21.3115, 0.6336, 0.3264



33.4383, 0.5372, 0.3979



16.5039, 0.3281, 0.3272



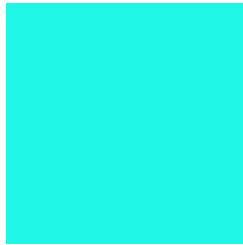
10.4918, 0.6315, 0.3252



0.9294, 0.6119, 0.3144

Previews

White Background



This preview shows how the Yxy color 71.8758, 0.2326, 0.3505 looks on a white background.

Color Contrast Check

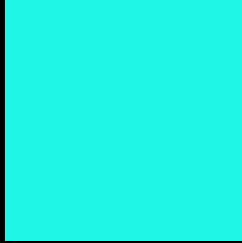
Large Text (above 18pt) WCAG AA × Fail

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 71.8758, 0.2326, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

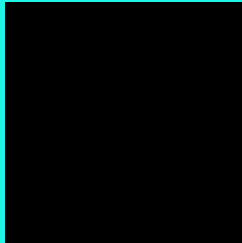
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8758, 0.2326, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 71.8758, 0.2326, 0.3505.

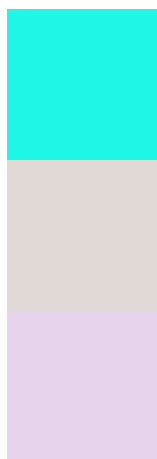


This preview shows how white text looks on a background with the Yxy color 71.8758, 0.2326, 0.3505.

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

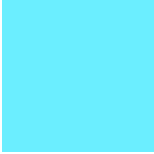
71.8758, 0.2326, 0.3505

Protanopia

70.2771, 0.3205, 0.3334

Deuteranopia

70.1320, 0.3103, 0.3037



Tritanopia

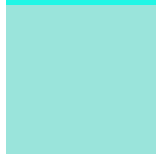
71.4949, 0.2360, 0.3086

Trichromacy



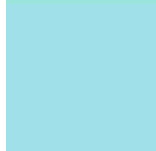
Original Color

71.8758, 0.2326, 0.3505



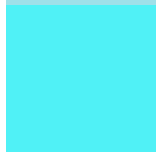
Protanomaly

67.4713, 0.2713, 0.3399



Deuteranomaly

66.5654, 0.2660, 0.3181



Tritanomaly

71.2699, 0.2327, 0.3226

Monochromacy



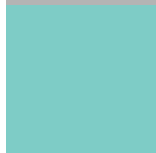
Original Color

71.8758, 0.2326, 0.3505



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

51.6986, 0.2634, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8758, 0.2326, 0.3505 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, 246, 229)` looks like.

```
.text, #text, p{  
    color:rgb(32, 246, 229)  
}
```

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, 246, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 246, 229) }
```

Border

The CSS property to change the border of an element to Yxy 71.8758, 0.2326, 0.3505 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, 246, 229) }
```

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

```
.border{ border-color:rgb(32, 246, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 246, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 246, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 246, 229);  
box-shadow:4px 4px 4px 4px rgb(32, 246,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8758, 0.2326, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 246, 229) }
```

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

```
.background{ background-color: rgb(32, 246,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor