

Converting Colors

$Y_{xy}(71.5604, 0.2350, 0.3559)$

Have a look what the booklet for
Yxy(71.5604, 0.2350, 0.3559)
contains.

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Color

Yxy(71.7989, 0.2350, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	28F6E1
RGB	40, 246, 225
RGB Percent	16%, 96%, 88%
CMY	0.8426, 0.0353, 0.1177
CMYK	0.84, 0.00, 0.09, 0.04
HSL	174°, 92%, 56%
HSV	174°, 84%, 96%
XYZ	47.4220, 71.7989, 82.5748
YIQ	182.0120, -116.0350, -50.2030

Conversions

Conversions Part 2

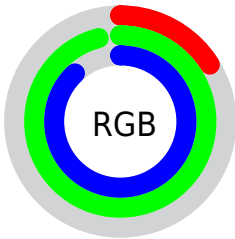
Format	Color
R _Y B	40, 149, 246
Decimal	2684641
CIE Lab	87.87, -51.16, -3.30
CIE LCh	88, 51.262, 183.688
Yxy	71.7989, 0.2350, 0.3558
Android (android.graphics.Color)	4280874721 (0xFF28F6E1)
YUV	182.0120, 21.1931, -124.5445
Hunter-Lab	84.7342, -48.3864, 1.5350

Details

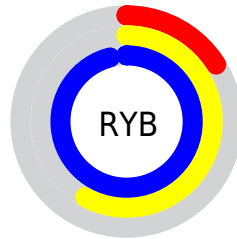
The Yxy color **71.7989, 0.2350, 0.3558** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.4586, 0.5863, 0.3176**, and the grayscale version is **46.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **39.2975, 0.2335, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **71.3178, 0.2338, 0.3593**, and if you desaturate by 10%, it is **72.6007, 0.2380, 0.3522**.

Distribution



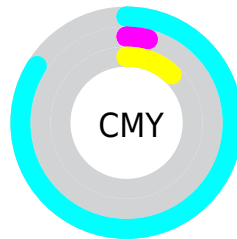
- Red (16%)
- Green (96%)
- Blue (88%)



- Red (16%)
- Yellow (58%)
- Blue (96%)



- Cyan (84%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (84%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7989, 0.2350, 0.3558 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 71.7989, 0.2350, 0.3558 by changing the saturation by 10% instead.


 71.7989, 0.2350,
0.3558


 71.7989, 0.2350,
0.3558


466.8413, 0.2704,
0.3439


 52.9944, 0.2271,
0.3584


 121.7706, 0.2472,
0.3518

 37.7983, 0.2174,
0.3615


 153.7066, 0.2519,
0.3502

 25.8262, 0.2053,
0.3653


 190.7885, 0.2561,
0.3488

 16.6937, 0.1898,
0.3700

 233.4008, 0.2597,
0.3476

 10.0163, 0.1694,
0.3760

281.9278, 0.2628,
0.3465

 5.4098, 0.1416,
0.3837

336.7540, 0.2657,

 2.4896, 0.1000,


0.3455


0.3941


398.2637, 0.2682,
0.3447

 0.8714, 0.0000,
0.4216

 0.0000, 0.0000,
0.0000


 71.7989, 0.2350,
0.3558


 71.7989, 0.2350,
0.3558


 71.3178, 0.2338,
0.3593

 72.6007, 0.2380,
0.3522


 71.1268, 0.2338,
0.3615


 73.7666, 0.2429,
0.3487


 75.3414, 0.2498,
0.3452


 77.3616, 0.2586,
0.3418

 79.8597, 0.2690,
0.3385

 82.8651, 0.2808,
0.3354

 86.4047, 0.2937,
0.3325

 90.5037, 0.3075,
0.3299

 93.9247, 0.3176,
0.3275

Harmonies

Analogous

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



71.7989, 0.2848, 0.4147



71.7989, 0.2350, 0.3558



71.7989, 0.2071, 0.2943

Triad

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



71.7989, 0.2350, 0.3558



71.7989, 0.2716, 0.2375



71.7989, 0.4324, 0.3922

Complementary

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



71.7989, 0.2350, 0.3558



21.4586, 0.5863, 0.3176

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.



71.7989, 0.4311, 0.3452



71.7989, 0.2350, 0.3558



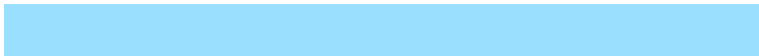
71.7989, 0.3325, 0.2609

Square

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



71.7989, 0.2350, 0.3558



71.7989, 0.2267, 0.2334



71.7989, 0.3931, 0.2990



71.7989, 0.3996, 0.4298

Rectangle

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



71.7989, 0.2350, 0.3558



71.7989, 0.2027, 0.2632



71.7989, 0.3931, 0.2990



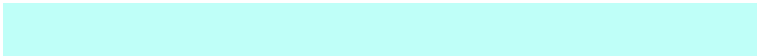
71.7989, 0.4362, 0.3769

Sweetspot

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



71.8016, 0.2350, 0.3558



89.4365, 0.2791, 0.3358



67.1621, 0.3064, 0.5803



18.8894, 0.2749, 0.3369



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.



71.8016, 0.2350, 0.3558



77.1747, 0.2338, 0.3616



34.7769, 0.1979, 0.2196



18.7269, 0.2994, 0.3314



37.9762, 0.2336, 0.3609



3.3460, 0.2324, 0.3565

Inverse Universe

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



21.4586, 0.5863, 0.3176



21.3348, 0.6308, 0.3248



32.9530, 0.5359, 0.3925



16.5100, 0.3278, 0.3266



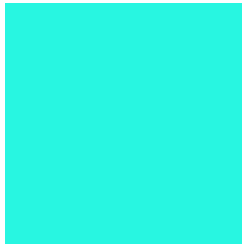
10.5050, 0.6282, 0.3235



0.9323, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 71.7989, 0.2350, 0.3558 looks on a white background.

Color Contrast Check

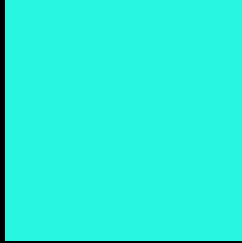
Large Text (above 18pt) WCAG AA × Fail

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 71.7989, 0.2350, 0.3558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

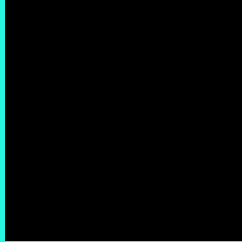
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

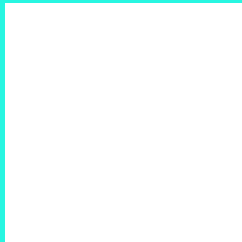
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7989, 0.2350, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 71.7989, 0.2350, 0.3558.

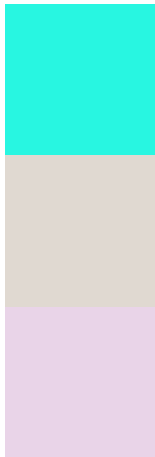


This preview shows how white text looks on a background with the Yxy color 71.7989, 0.2350, 0.3558.

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

71.7989, 0.2350, 0.3558

Protanopia

70.0765, 0.3233, 0.3378

Deuteranopia

70.2368, 0.3144, 0.3080



Tritanopia

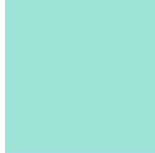
71.5572, 0.2364, 0.3086

Trichromacy



Original Color

71.7989, 0.2350, 0.3558



Protanomaly

67.5612, 0.2751, 0.3448



Deuteranomaly

66.7550, 0.2704, 0.3229



Tritanomaly

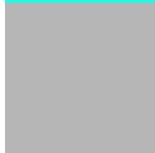
71.2812, 0.2342, 0.3251

Monochromacy



Original Color

71.7989, 0.2350, 0.3558



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

52.4857, 0.2658, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7989, 0.2350, 0.3558 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(40, 246, 225)` looks like.

```
.text, #text, p{  
    color:rgb(40, 246, 225)  
}
```

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(40, 246, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 246, 225) }
```

Border

The CSS property to change the border of an element to Yxy 71.7989, 0.2350, 0.3558 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(40, 246, 225) }
```

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

```
.border{ border-color:rgb(40, 246, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 246, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 246, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 246, 225);  
box-shadow:4px 4px 4px 4px rgb(40, 246,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7989, 0.2350, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 246, 225) }
```

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

```
.background{ background-color: rgb(40, 246,  
225) }
```

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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