

Converting Colors

$Y_{xy}(71.8991, 0.2572, 0.3575)$

Have a look what the booklet for
Yxy(71.8991, 0.2572, 0.3575)
contains.

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Color

Yxy(71.8945, 0.2572, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	77F1DA
RGB	119, 241, 218
RGB Percent	47%, 95%, 85%
CMY	0.5331, 0.0549, 0.1451
CMYK	0.51, 0.00, 0.10, 0.05
HSL	169°, 81%, 71%
HSV	169°, 51%, 95%
XYZ	51.7238, 71.8945, 77.4852
YIQ	201.9000, -65.3290, -33.0170

Conversions

Conversions Part 2

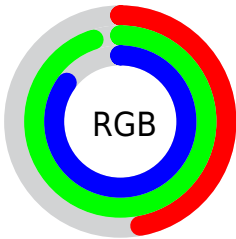
Format	Color
RYB	119, 186, 241
Decimal	7860698
CIELab	87.92, -39.71, 0.61
CIElCh	88, 39.713, 179.121
Yxy	71.8945, 0.2572, 0.3575
Android (android.graphics.Color)	4286050778 (0xFF77F1DA)
YUV	201.9000, 7.9373, -72.7033
Hunter-Lab	84.7906, -39.4954, 5.1718

Details

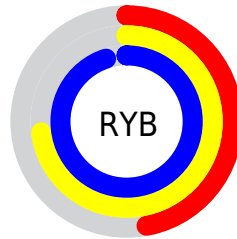
The Yxy color **71.8945, 0.2572, 0.3575** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.8614, 0.4293, 0.3044**, and the grayscale version is **58.9871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **37.7375, 0.2443, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **70.1673, 0.2504, 0.3642**, and if you desaturate by 10%, it is **74.0661, 0.2658, 0.3511**.

Distribution



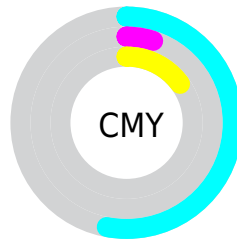
- Red (47%)
- Green (95%)
- Blue (85%)



- Red (47%)
- Yellow (73%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (53%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8945, 0.2572, 0.3575 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 71.8945, 0.2572, 0.3575 by changing the saturation by 10% instead.

 71.8945, 0.2572,
0.3575


 71.8945, 0.2572,
0.3575

467.1743, 0.2828,
0.3443


 53.0725, 0.2514,
0.3605

 121.9065, 0.2661,
0.3529

 37.8606, 0.2442,
0.3642

 153.8653, 0.2695,
0.3512

 25.8746, 0.2352,
0.3689


 190.9719, 0.2725,
0.3496

 16.7298, 0.2235,
0.3750

233.6105, 0.2751,
0.3483

 10.0420, 0.2076,
0.3832

282.1657, 0.2774,
0.3471

 5.4268, 0.1853,
0.3950

337.0218, 0.2794,

 2.4998, 0.1516,

0.3461

0.4128

398.5632, 0.2812,
0.3452

0.8765, 0.0000,
0.4901

0.0000, 0.0000,
0.0000

71.8945, 0.2572,
0.3575

71.8945, 0.2572,
0.3575

70.1673, 0.2504,
0.3642

74.0661, 0.2658,
0.3511

68.8428, 0.2454,
0.3710


76.7037, 0.2758,
0.3450

67.8855, 0.2425,
0.3779

79.8371, 0.2870,
0.3393


67.2496, 0.2415,
0.3848

83.4917, 0.2992,
0.3340


 66.8748, 0.2420,
0.3912

 87.6908, 0.3119,
0.3293

 90.7781, 0.3193,
0.3249

 91.0594, 0.3165,
0.3205

 91.3476, 0.3137,
0.3162

 91.3891, 0.3133,
0.3156

Harmonies

Analogous

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



71.8945, 0.2989, 0.3988



71.8945, 0.2572, 0.3575



71.8945, 0.2313, 0.3099

Triad

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



71.8945, 0.2572, 0.3575



71.8945, 0.2745, 0.2544



71.8945, 0.4077, 0.3753

Complementary

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



71.8945, 0.2572, 0.3575



33.8614, 0.4293, 0.3044

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.



71.8945, 0.4014, 0.3376



71.8945, 0.2572, 0.3575



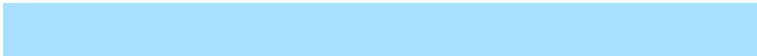
71.8945, 0.3211, 0.2711

Square

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



71.8945, 0.2572, 0.3575



71.8945, 0.2408, 0.2543



71.8945, 0.3687, 0.3006



71.8945, 0.3867, 0.4052

Rectangle

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



71.8945, 0.2572, 0.3575



71.8945, 0.2252, 0.2835



71.8945, 0.3687, 0.3006



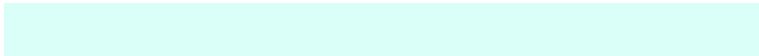
71.8945, 0.4088, 0.3631

Sweetspot

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



71.8973, 0.2572, 0.3575



92.9977, 0.2937, 0.3363



70.1216, 0.3188, 0.4840



19.7187, 0.2911, 0.3374



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.



71.8973, 0.2572, 0.3575



79.6712, 0.2500, 0.3646



53.6597, 0.2378, 0.2824



17.8749, 0.3006, 0.3335



36.2845, 0.2417, 0.3901



3.0316, 0.2392, 0.3811

Inverse Universe

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



33.8614, 0.4293, 0.3044



31.8482, 0.4699, 0.3011



43.6891, 0.4347, 0.3693



15.8075, 0.3264, 0.3246



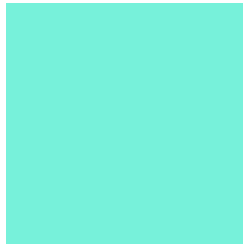
10.2601, 0.6104, 0.3136



0.8668, 0.5757, 0.2945

Previews

White Background



This preview shows how the Yxy color 71.8945, 0.2572, 0.3575 looks on a white background.

Color Contrast Check

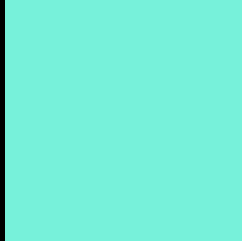
Large Text (above 18pt) WCAG AA × Fail

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 71.8945, 0.2572, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

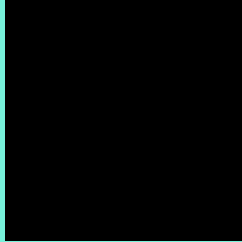
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

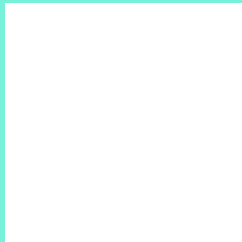
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8945, 0.2572, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 71.8945, 0.2572, 0.3575.



This preview shows how white text looks on a background with the Yxy color 71.8945, 0.2572, 0.3575.

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

71.8945, 0.2572, 0.3575

Protanopia

70.7193, 0.3274, 0.3433

Deuteranopia

70.6459, 0.3237, 0.3164



Tritanopia

72.0362, 0.2444, 0.3066

Trichromacy



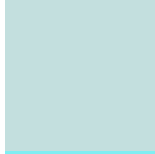
Original Color

71.8945, 0.2572, 0.3575



Protanomaly

69.6107, 0.2963, 0.3477



Deuteranomaly

69.6514, 0.2942, 0.3301



Tritanomaly

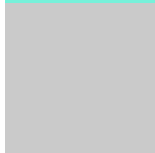
72.0719, 0.2489, 0.3240

Monochromacy



Original Color

71.8945, 0.2572, 0.3575



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.4365, 0.2873, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8945, 0.2572, 0.3575 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(119, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(119, 241, 218)  
}
```

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(119, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 241, 218) }
```

Border

The CSS property to change the border of an element to Yxy 71.8945, 0.2572, 0.3575 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(119, 241, 218) }
```

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

```
.border{ border-color:rgb(119, 241, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 241, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(119, 241,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8945, 0.2572, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 241, 218) }
```

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

```
.background{ background-color: rgb(119,  
241, 218) }
```

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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