

Converting Colors

$Y_{xy}(71.2136, 0.2600, 0.3767)$

Have a look what the booklet for
Yxy(71.2136, 0.2600, 0.3767)
contains.

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Color

Yxy(71.2270, 0.2599, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	6EF2CD
RGB	110, 242, 205
RGB Percent	43%, 95%, 80%
CMY	0.5683, 0.0510, 0.1962
CMYK	0.55, 0.00, 0.15, 0.05
HSL	163°, 84%, 69%
HSV	163°, 55%, 95%
XYZ	49.2076, 71.2270, 68.8982
YIQ	198.3140, -66.7950, -39.4910

Conversions

Conversions Part 2

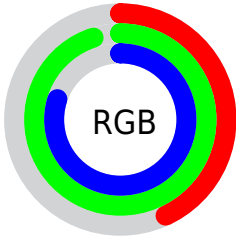
Format	Color
RYB	110, 187, 242
Decimal	7271117
CIELab	87.60, -45.05, 6.91
CIELCh	88, 45.574, 171.281
Yxy	71.2270, 0.2599, 0.3762
Android (android.graphics.Color)	4285461197 (0xFF6EF2CD)
YUV	198.3140, 3.2962, -77.4514
Hunter-Lab	84.3961, -43.6178, 10.6748

Details

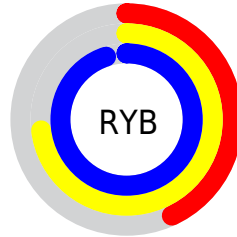
The Yxy color **71.2270, 0.2599, 0.3762** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.1575, 0.4278, 0.2897**, and the grayscale version is **56.6967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **37.3834, 0.2469, 0.3877** is the 20% darker color. If you saturate the color by 10%, you get **69.5614, 0.2545, 0.3866**, and if you desaturate by 10%, it is **73.3363, 0.2670, 0.3661**.

Distribution



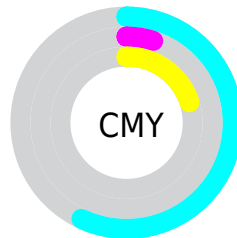
- Red (43%)
- Green (95%)
- Blue (80%)



- Red (43%)
- Yellow (73%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)





- Cyan (57%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2270, 0.2599, 0.3762 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 71.2270, 0.2599, 0.3762 by changing the saturation by 10% instead.

 71.2270, 0.2599,
0.3762


 71.2270, 0.2599,
0.3762


464.8466, 0.2846,
0.3537


 52.5275, 0.2542,
0.3815

 120.9569, 0.2685,
0.3683

 37.4257, 0.2471,
0.3881


 152.7560, 0.2719,
0.3652

 25.5372, 0.2381,
0.3967


 189.6905, 0.2747,
0.3626

 16.4778, 0.2264,
0.4081

232.1447, 0.2772,
0.3603

 9.8629, 0.2103,
0.4240

280.5030, 0.2794,
0.3584

 5.3081, 0.1870,
0.4478

335.1498, 0.2814,

 2.4292, 0.1507,

0.3566

0.4870

396.4696, 0.2831,
0.3551

0.8408, 0.0000,
0.6603

0.0000, 0.0000,
0.0000

71.2270, 0.2599,
0.3762

71.2270, 0.2599,
0.3762

69.5614, 0.2545,
0.3866

73.3363, 0.2670,
0.3661

68.2956, 0.2511,
0.3973


75.9124, 0.2757,
0.3566


67.3910, 0.2498,
0.4081

78.9869, 0.2855,
0.3477


66.7971, 0.2503,
0.4187

82.5859, 0.2962,
0.3396

 66.5617, 0.2512,
0.4244

 86.7339, 0.3075,
0.3321

 91.3994, 0.3189,
0.3254

 91.8235, 0.3148,
0.3189

 91.9824, 0.3133,
0.3165

Harmonies

Analogous

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



71.2270, 0.3104, 0.4189



71.2270, 0.2599, 0.3762



71.2270, 0.2254, 0.3201

Triad

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



71.2270, 0.2599, 0.3762



71.2270, 0.2570, 0.2424



71.2270, 0.4232, 0.3699

Complementary

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



71.2270, 0.2599, 0.3762



32.1575, 0.4278, 0.2897

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.



71.2270, 0.4077, 0.3266



71.2270, 0.2599, 0.3762



71.2270, 0.3072, 0.2568

Square

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



71.2270, 0.2599, 0.3762



71.2270, 0.2242, 0.2472



71.2270, 0.3635, 0.2867



71.2270, 0.4061, 0.4081

Rectangle

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



71.2270, 0.2599, 0.3762



71.2270, 0.2147, 0.2870



71.2270, 0.3635, 0.2867



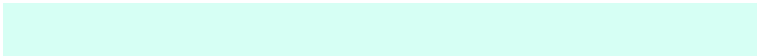
71.2270, 0.4218, 0.3555

Sweetspot

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



71.2298, 0.2599, 0.3762



92.3506, 0.2945, 0.3408



70.8760, 0.3252, 0.4937



19.5812, 0.2922, 0.3424



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.



71.2298, 0.2599, 0.3762



78.2343, 0.2542, 0.3874



57.5297, 0.2359, 0.2927



17.8489, 0.3018, 0.3357



35.7831, 0.2508, 0.4227



2.9937, 0.2469, 0.4088

Inverse Universe

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



32.1575, 0.4278, 0.2897



30.2173, 0.4651, 0.2853



38.3738, 0.4560, 0.3599



15.8318, 0.3249, 0.3224



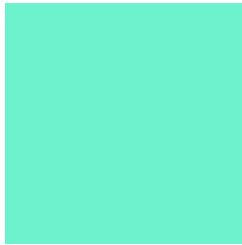
10.3847, 0.5829, 0.2985



0.8803, 0.5456, 0.2779

Previews

White Background



This preview shows how the Yxy color 71.2270, 0.2599, 0.3762 looks on a white background.

Color Contrast Check

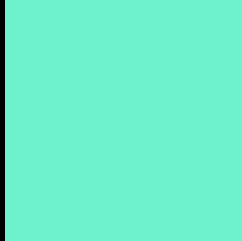
Large Text (above 18pt) WCAG AA × Fail

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 71.2270, 0.2599, 0.3762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

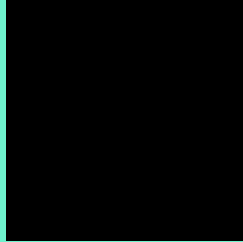
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2270, 0.2599, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 71.2270, 0.2599, 0.3762.

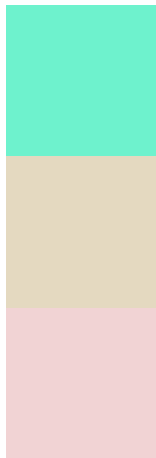


This preview shows how white text looks on a background with the Yxy color 71.2270, 0.2599, 0.3762.

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

71.2270, 0.2599, 0.3762

Protanopia

69.9255, 0.3382, 0.3565

Deuteranopia

70.0428, 0.3346, 0.3280



Tritanopia

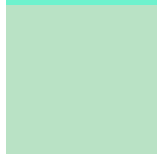
71.0080, 0.2425, 0.3064

Trichromacy



Original Color

71.2270, 0.2599, 0.3762



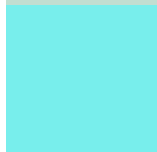
Protanomaly

68.7382, 0.3029, 0.3635



Deuteranomaly

68.1835, 0.3009, 0.3441



Tritanomaly

71.1983, 0.2487, 0.3312

Monochromacy



Original Color

71.2270, 0.2599, 0.3762



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.4172, 0.2875, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2270, 0.2599, 0.3762 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(110, 242, 205)` looks like.

```
.text, #text, p{  
    color:rgb(110, 242, 205)  
}
```

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(110, 242, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 242, 205) }
```

Border

The CSS property to change the border of an element to Yxy 71.2270, 0.2599, 0.3762 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(110, 242, 205) }
```

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

```
.border{ border-color:rgb(110, 242, 205) }
```

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

Here you see how a box with a 4 pixel rgb(110, 242, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 242, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 242, 205);  
box-shadow:4px 4px 4px 4px rgb(110, 242,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2270, 0.2599, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 242, 205) }
```

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

```
.background{ background-color: rgb(110,  
242, 205) }
```

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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