

Converting Colors

$Y_{xy}(70.1943, 0.2572, 0.3417)$

Have a look what the booklet for
Yxy(70.1943, 0.2572, 0.3417)
contains.

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Color

Yxy(70.2277, 0.2571, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	82ECE2
RGB	130, 236, 226
RGB Percent	51%, 93%, 89%
CMY	0.4901, 0.0745, 0.1137
CMYK	0.45, 0.00, 0.04, 0.07
HSL	174°, 74%, 72%
HSV	174°, 45%, 93%
XYZ	52.9333, 70.2277, 82.7250
YIQ	203.1660, -59.9660, -25.5820

Conversions

Conversions Part 2

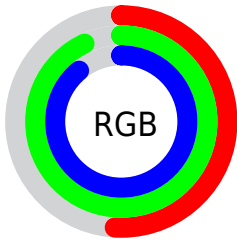
Format	Color
R _Y B	130, 186, 236
Decimal	8580322
CIE Lab	87.11, -33.06, -4.72
CIE LCh	87, 33.398, 188.131
Yxy	70.2277, 0.2571, 0.3411
Android (android.graphics.Color)	4286770402 (0xFF82ECE2)
YUV	203.1660, 11.2572, -64.1666
Hunter-Lab	83.8020, -33.9044, 0.1334

Details

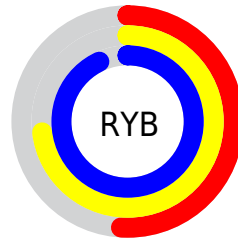
The Yxy color **70.2277, 0.2571, 0.3411** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.7006, 0.4216, 0.3181**, and the grayscale version is **59.7933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **36.8849, 0.2440, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **68.4515, 0.2485, 0.3442**, and if you desaturate by 10%, it is **72.4390, 0.2674, 0.3381**.

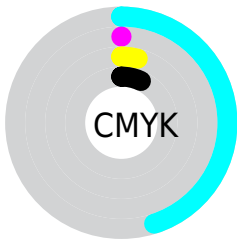
Distribution



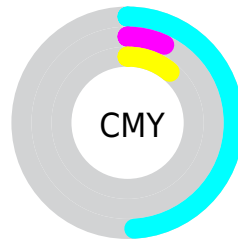
- Red (51%)
- Green (93%)
- Blue (89%)



- Red (51%)
- Yellow (73%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (49%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2277, 0.2571, 0.3411 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 70.2277, 0.2571, 0.3411 by changing the saturation by 10% instead.

 70.2277, 0.2571,
0.3411


 70.2277, 0.2571,
0.3411


461.3491, 0.2827,
0.3359


 51.7122, 0.2513,
0.3422


 119.5334, 0.2659,
0.3394

 36.7757, 0.2442,
0.3435


 151.0924, 0.2694,
0.3386

 25.0339, 0.2352,
0.3451


 187.7680, 0.2724,
0.3380

 16.1023, 0.2236,
0.3471

229.9446, 0.2749,
0.3375

 9.5966, 0.2080,
0.3495

278.0067, 0.2772,
0.3370

 5.1323, 0.1861,
0.3524

332.3385, 0.2792,

 2.3251, 0.1532,

0.3366

393.3245, 0.2811,
0.3362

0.3555

0.7869, 0.0000,
0.3951

0.0000, 0.0000,
0.0000

70.2277, 0.2571,
0.3411

70.2277, 0.2571,
0.3411

68.4515, 0.2485,
0.3442

72.4390, 0.2674,
0.3381

67.0724, 0.2418,
0.3475


75.1039, 0.2791,
0.3352

66.0597, 0.2370,
0.3507


78.2498, 0.2920,
0.3326


65.3747, 0.2342,
0.3540

81.8997, 0.3057,
0.3301

 64.9696, 0.2331,
0.3572


 86.0749, 0.3201,
0.3279

 64.8331, 0.2330,
0.3588

 87.5035, 0.3234,
0.3258

 87.6360, 0.3220,
0.3236

 87.7702, 0.3206,
0.3214

 87.9060, 0.3192,
0.3193

Harmonies

Analogous

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



70.2277, 0.2897, 0.3786



70.2277, 0.2571, 0.3411



70.2277, 0.2395, 0.3026

Triad

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



70.2277, 0.2571, 0.3411



70.2277, 0.2915, 0.2677



70.2277, 0.3903, 0.3780

Complementary

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



70.2277, 0.2571, 0.3411



35.7006, 0.4216, 0.3181

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.



70.2277, 0.3919, 0.3471



70.2277, 0.2571, 0.3411



70.2277, 0.3327, 0.2859

Square

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



70.2277, 0.2571, 0.3411



70.2277, 0.2584, 0.2633



70.2277, 0.3703, 0.3142



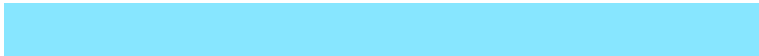
70.2277, 0.3670, 0.3988

Rectangle

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



70.2277, 0.2571, 0.3411



70.2277, 0.2378, 0.2825



70.2277, 0.3703, 0.3142



70.2277, 0.3935, 0.3684

Sweetspot

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



70.2305, 0.2571, 0.3411



94.0463, 0.2945, 0.3321



67.2332, 0.3123, 0.4672



19.9357, 0.2915, 0.3327



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.



70.2305, 0.2571, 0.3411



81.7349, 0.2490, 0.3440



49.2158, 0.2429, 0.2744



17.0960, 0.2994, 0.3312



35.7480, 0.2329, 0.3583



2.8142, 0.2316, 0.3538

Inverse Universe

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



35.7006, 0.4216, 0.3181



35.6718, 0.4585, 0.3164



49.1101, 0.4101, 0.3767



15.0771, 0.3278, 0.3268



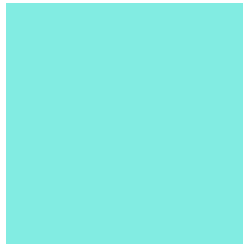
9.8705, 0.6292, 0.3240



0.7829, 0.6043, 0.3103

Previews

White Background



This preview shows how the Yxy color 70.2277, 0.2571, 0.3411 looks on a white background.

Color Contrast Check

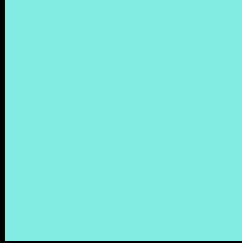
Large Text (above 18pt) WCAG AA × Fail

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 70.2277, 0.2571, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

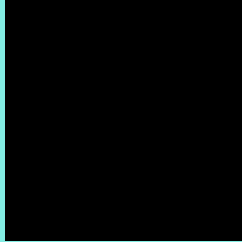
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2277, 0.2571, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 70.2277, 0.2571, 0.3411.

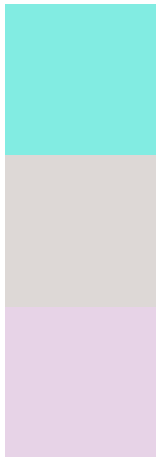


This preview shows how white text looks on a background with the Yxy color 70.2277, 0.2571, 0.3411.

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

70.2277, 0.2571, 0.3411

Protanopia

69.3389, 0.3177, 0.3312

Deuteranopia

69.3470, 0.3137, 0.3078



Tritanopia

69.9966, 0.2478, 0.3065

Trichromacy



Original Color

70.2277, 0.2571, 0.3411



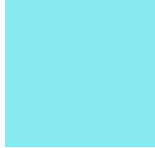
Protanomaly

68.5287, 0.2920, 0.3347



Deuteranomaly

68.3129, 0.2892, 0.3187



Tritanomaly

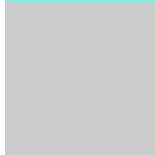
69.7570, 0.2508, 0.3181

Monochromacy



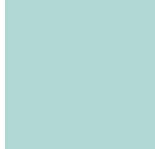
Original Color

70.2277, 0.2571, 0.3411



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.5341, 0.2880, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2277, 0.2571, 0.3411 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(130, 236, 226)` looks like.

```
.text, #text, p{  
    color:rgb(130, 236, 226)  
}
```

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(130, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 236, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.2277, 0.2571, 0.3411 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(130, 236, 226) }
```

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

```
.border{ border-color:rgb(130, 236, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 236, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(130, 236,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2277, 0.2571, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 236, 226) }
```

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

```
.background{ background-color: rgb(130,  
236, 226) }
```

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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