

Converting Colors

$Y_{xy}(70.5340, 0.2530, 0.3319)$

Have a look what the booklet for
Yxy(70.5340, 0.2530, 0.3319)
contains.

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Color

Yxy(70.5412, 0.2534, 0.3325)

Conversions

Conversions Part 1

Format	Color
Hex	81ECE9
RGB	129, 236, 233
RGB Percent	51%, 93%, 91%
CMY	0.4939, 0.0745, 0.0864
CMYK	0.45, 0.00, 0.01, 0.07
HSL	178°, 74%, 72%
HSV	178°, 45%, 93%
XYZ	53.7598, 70.5412, 87.8530
YIQ	203.6650, -62.8090, -23.6170

Conversions

Conversions Part 2

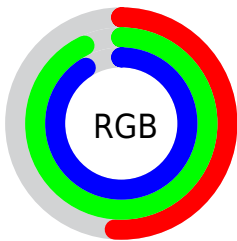
Format	Color
RYB	129, 183, 236
Decimal	8514793
CIELab	87.26, -31.59, -8.16
CIELCh	87, 32.628, 194.474
Yxy	70.5412, 0.2534, 0.3325
Android (android.graphics.Color)	4286704873 (0xFF81ECE9)
YUV	203.6650, 14.4622, -65.4812
Hunter-Lab	83.9888, -32.7256, -3.2256

Details

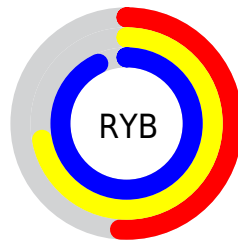
The Yxy color **70.5412, 0.2534, 0.3325** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.2172, 0.4315, 0.3260**, and the grayscale version is **60.1070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **37.0458, 0.2399, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **68.8653, 0.2444, 0.3334**, and if you desaturate by 10%, it is **72.6496, 0.2642, 0.3316**.

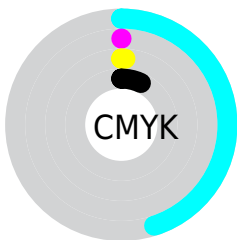
Distribution



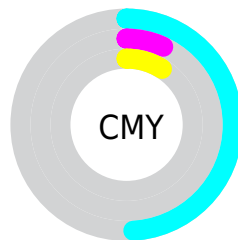
- Red (51%)
- Green (93%)
- Blue (91%)



- Red (51%)
- Yellow (72%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (49%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5412, 0.2534, 0.3325 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 70.5412, 0.2534, 0.3325 by changing the saturation by 10% instead.

 70.5412, 0.2534,
0.3325

 70.5412, 0.2534,
0.3325


462.4480, 0.2805,
0.3314

 51.9679, 0.2473,
0.3326


 119.9802, 0.2627,
0.3322

 36.9795, 0.2398,
0.3327


 151.6147, 0.2664,
0.3321

 25.1916, 0.2304,
0.3326


 188.3717, 0.2695,
0.3320

 16.2199, 0.2183,
0.3324

230.6356, 0.2723,
0.3319

 9.6799, 0.2022,
0.3317

278.7907, 0.2747,
0.3317

 5.1872, 0.1797,
0.3299

333.2216, 0.2769,

 2.3575, 0.1466,

0.3316

394.3126, 0.2788,
0.3315

0.3254

0.8039, 0.0000,
0.3445

0.0000, 0.0000,
0.0000

70.5412, 0.2534,
0.3325

70.5412, 0.2534,
0.3325

68.8653, 0.2444,
0.3334

72.6496, 0.2642,
0.3316

67.5837, 0.2373,
0.3343

75.2091, 0.2765,
0.3308


66.6657, 0.2322,
0.3352

78.2473, 0.2901,
0.3301


66.0721, 0.2290,
0.3362

81.7869, 0.3047,
0.3293

 65.7548, 0.2274,
0.3371

 85.8496, 0.3199,
0.3287

 65.6657, 0.2271,
0.3375

 87.3636, 0.3249,
0.3281

 87.4027, 0.3245,
0.3274

 87.4419, 0.3240,
0.3268

 87.4813, 0.3236,
0.3261

Harmonies

Analogous

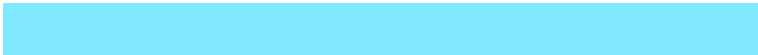
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5412, 0.2827, 0.3705



70.5412, 0.2534, 0.3325



70.5412, 0.2398, 0.2964

Triad

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



70.5412, 0.2534, 0.3325



70.5412, 0.3002, 0.2718



70.5412, 0.3852, 0.3823

Complementary

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



70.5412, 0.2534, 0.3325



35.2172, 0.4315, 0.3260

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.



70.5412, 0.3916, 0.3535



70.5412, 0.2534, 0.3325



70.5412, 0.3407, 0.2921

Square

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



70.5412, 0.2534, 0.3325



70.5412, 0.2654, 0.2645



70.5412, 0.3750, 0.3212



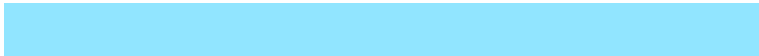
70.5412, 0.3589, 0.3992

Rectangle

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



70.5412, 0.2534, 0.3325



70.5412, 0.2407, 0.2788



70.5412, 0.3750, 0.3212



70.5412, 0.3898, 0.3736

Sweetspot

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



70.5440, 0.2534, 0.3325



93.7818, 0.2919, 0.3300



66.5330, 0.3081, 0.4704



19.8910, 0.2888, 0.3301



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.



70.5440, 0.2534, 0.3325



82.2944, 0.2453, 0.3333



45.8854, 0.2406, 0.2642



17.1141, 0.2985, 0.3296



36.1999, 0.2271, 0.3374



2.8449, 0.2267, 0.3361

Inverse Universe

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



35.2172, 0.4315, 0.3260



35.4379, 0.4695, 0.3256



51.6454, 0.4074, 0.3849



15.0609, 0.3289, 0.3284



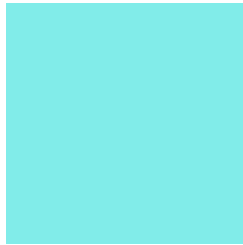
9.8410, 0.6370, 0.3283



0.7752, 0.6288, 0.3237

Previews

White Background



This preview shows how the Yxy color 70.5412, 0.2534, 0.3325 looks on a white background.

Color Contrast Check

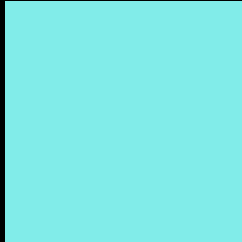
Large Text (above 18pt) WCAG AA × Fail

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 70.5412, 0.2534, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

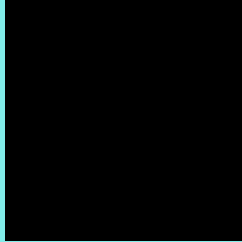
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5412, 0.2534, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 70.5412, 0.2534, 0.3325.

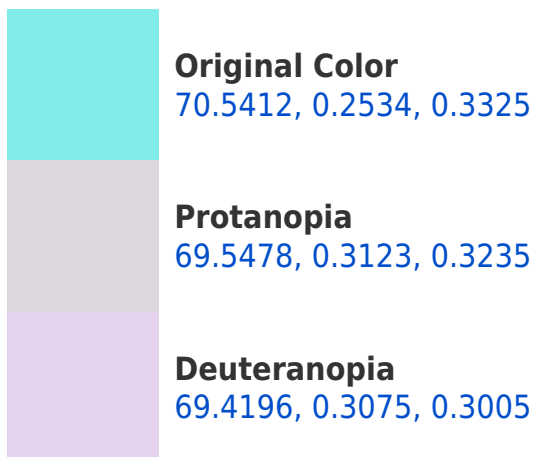


This preview shows how white text looks on a background with the Yxy color 70.5412, 0.2534, 0.3325.

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





Tritanopia

70.4570, 0.2467, 0.3065

Trichromacy



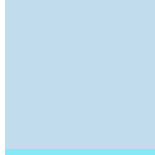
Original Color

70.5412, 0.2534, 0.3325



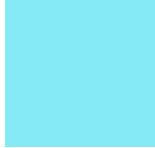
Protanomaly

68.7764, 0.2872, 0.3266



Deuteranomaly

68.5800, 0.2843, 0.3109



Tritanomaly

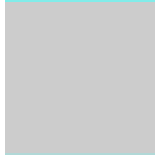
70.4248, 0.2492, 0.3157

Monochromacy



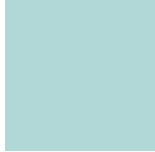
Original Color

70.5412, 0.2534, 0.3325



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.3651, 0.2863, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5412, 0.2534, 0.3325 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(129, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(129, 236, 233)  
}
```

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(129, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 70.5412, 0.2534, 0.3325 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(129, 236, 233) }
```

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

```
.border{ border-color:rgb(129, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(129, 236,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5412, 0.2534, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 236, 233) }
```

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

```
.background{ background-color: rgb(129,  
236, 233) }
```

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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