

Converting Colors

$Yxy(68.7329, 0.2610, 0.3488)$

Have a look what the booklet for
Yxy(68.7329, 0.2610, 0.3488)
contains.

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Color

Yxy(68.7329, 0.2610, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	83EADA
RGB	131, 234, 218
RGB Percent	51%, 92%, 85%
CMY	0.4865, 0.0823, 0.1451
CMYK	0.44, 0.00, 0.07, 0.08
HSL	171°, 71%, 72%
HSV	171°, 44%, 92%
XYZ	51.4314, 68.7329, 76.8910
YIQ	201.3790, -56.2520, -26.8120

Conversions

Conversions Part 2

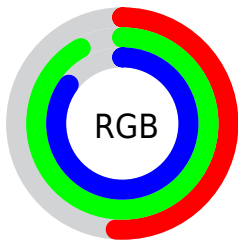
Format	Color
RYB	131, 187, 234
Decimal	8645338
CIELab	86.37, -33.81, -1.60
CIELCh	86, 33.852, 182.708
Yxy	68.7329, 0.2610, 0.3488
Android (android.graphics.Color)	4286835418 (0xFF83EADA)
YUV	201.3790, 8.1942, -61.7224
Hunter-Lab	82.9053, -34.3494, 3.0449

Details

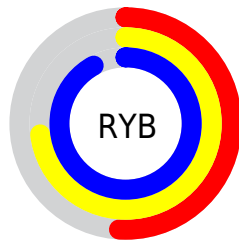
The Yxy color **68.7329, 0.2610, 0.3488** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.8162, 0.4109, 0.3111**, and the grayscale version is **58.6236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **35.8629, 0.2488, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **66.8862, 0.2527, 0.3541**, and if you desaturate by 10%, it is **71.0110, 0.2709, 0.3437**.

Distribution



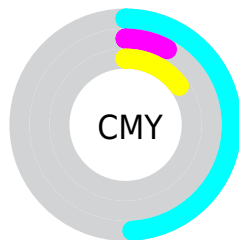
- Red (51%)
- Green (92%)
- Blue (85%)



- Red (51%)
- Yellow (73%)
- Blue (92%)



- Cyan (44%)
- Magenta (0%)
- Yellow (7%)
- Black (8%)




- Cyan (49%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7329, 0.2610, 0.3488 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 68.7329, 0.2610, 0.3488 by changing the saturation by 10% instead.

 68.7329, 0.2610,
0.3488

 68.7329, 0.2610,
0.3488

456.0884, 0.2850,
0.3397


 50.4942, 0.2555,
0.3508


 117.4000, 0.2693,
0.3457

 35.8062, 0.2487,
0.3534


 148.5972, 0.2726,
0.3445

 24.2846, 0.2402,
0.3565


 184.8827, 0.2754,
0.3434

 15.5449, 0.2290,
0.3606

226.6409, 0.2778,
0.3425

 9.2027, 0.2138,
0.3661

274.2561, 0.2799,
0.3417

 4.8736, 0.1922,
0.3737

328.1129, 0.2818,

 2.1733, 0.1591,

0.3409

388.5955, 0.2835,
0.3403

0.3848

0.7054, 0.0000,
0.4450

0.0000, 0.0000,
0.0000

68.7329, 0.2610,
0.3488

68.7329, 0.2610,
0.3488

66.8862, 0.2527,
0.3541

71.0110, 0.2709,
0.3437

65.4340, 0.2463,
0.3596


73.7386, 0.2821,
0.3390

64.3467, 0.2418,
0.3651


76.9423, 0.2943,
0.3346

63.5867, 0.2392,
0.3707


80.6444, 0.3073,
0.3305


 63.1082, 0.2385,
0.3762

 84.8658, 0.3208,
0.3269

 62.9150, 0.2388,
0.3795

 86.3925, 0.3233,
0.3234

 86.6104, 0.3209,
0.3198

 86.8326, 0.3186,
0.3163

 87.0592, 0.3163,
0.3128

Harmonies

Analogous

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



68.7329, 0.2963, 0.3853



68.7329, 0.2610, 0.3488



68.7329, 0.2400, 0.3085

Triad

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



68.7329, 0.2610, 0.3488



68.7329, 0.2841, 0.2646



68.7329, 0.3940, 0.3737

Complementary

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



68.7329, 0.2610, 0.3488



35.8162, 0.4109, 0.3111

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.



68.7329, 0.3912, 0.3412



68.7329, 0.2610, 0.3488



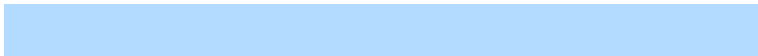
68.7329, 0.3254, 0.2809

Square

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



68.7329, 0.2610, 0.3488



68.7329, 0.2527, 0.2630



68.7329, 0.3655, 0.3081



68.7329, 0.3738, 0.3975

Rectangle

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



68.7329, 0.2610, 0.3488



68.7329, 0.2360, 0.2864



68.7329, 0.3655, 0.3081



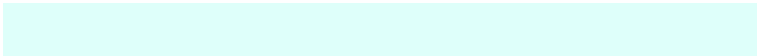
68.7329, 0.3958, 0.3634

Sweetspot

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



68.7356, 0.2610, 0.3488



93.9188, 0.2956, 0.3342



66.7968, 0.3167, 0.4623



19.9039, 0.2928, 0.3351



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.



68.7356, 0.2610, 0.3488



81.4438, 0.2533, 0.3537



51.9109, 0.2458, 0.2849



17.0794, 0.3002, 0.3327



35.3660, 0.2385, 0.3786



2.7879, 0.2364, 0.3710

Inverse Universe

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



35.8162, 0.4109, 0.3111



36.5750, 0.4442, 0.3081



46.1497, 0.4112, 0.3682



15.0922, 0.3268, 0.3254



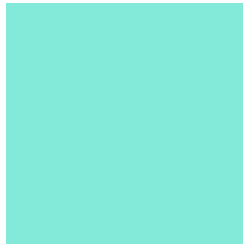
9.9142, 0.6180, 0.3178



0.7901, 0.5838, 0.2990

Previews

White Background



This preview shows how the Yxy color 68.7329, 0.2610, 0.3488 looks on a white background.

Color Contrast Check

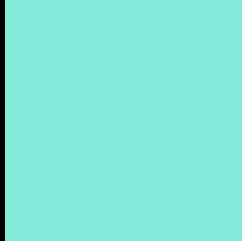
Large Text (above 18pt) WCAG AA × Fail

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 68.7329, 0.2610, 0.3488 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

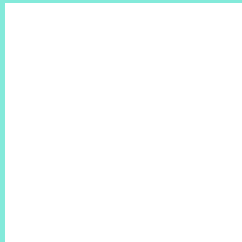
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7329, 0.2610, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 68.7329, 0.2610, 0.3488.

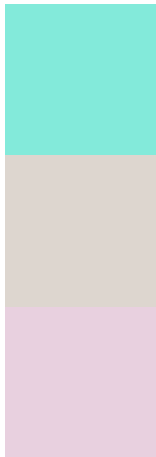


This preview shows how white text looks on a background with the Yxy color 68.7329, 0.2610, 0.3488.

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

68.7329, 0.2610, 0.3488

Protanopia

67.9703, 0.3227, 0.3368

Deuteranopia

67.5953, 0.3202, 0.3130



Tritanopia

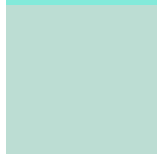
68.8599, 0.2496, 0.3075

Trichromacy



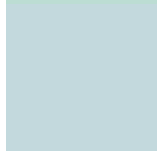
Original Color

68.7329, 0.2610, 0.3488



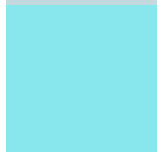
Protanomaly

67.1074, 0.2963, 0.3407



Deuteranomaly

66.4483, 0.2947, 0.3243



Tritanomaly

68.5005, 0.2536, 0.3216

Monochromacy



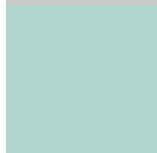
Original Color

68.7329, 0.2610, 0.3488



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.3236, 0.2904, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7329, 0.2610, 0.3488 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(131, 234, 218)` looks like.

```
.text, #text, p{  
    color:rgb(131, 234, 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(131, 234, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 234, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.7329, 0.2610, 0.3488 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(131, 234, 218) }
```

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

```
.border{ border-color:rgb(131, 234, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 234, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(131, 234,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7329, 0.2610, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 234, 218) }
```

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

```
.background{ background-color: rgb(131,  
234, 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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