

Converting Colors

$Yxy(68.4813, 0.2747, 0.3423)$

Have a look what the booklet for
Yxy(68.4813, 0.2747, 0.3423)
contains.

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Color

Yxy(68.4715, 0.2747, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	9FE5DA
RGB	159, 229, 218
RGB Percent	62%, 90%, 85%
CMY	0.3767, 0.1019, 0.1451
CMYK	0.31, 0.00, 0.05, 0.10
HSL	171°, 57%, 76%
HSV	171°, 31%, 90%
XYZ	54.9653, 68.4715, 76.6553
YIQ	206.8160, -38.1890, -18.2610

Conversions

Conversions Part 2

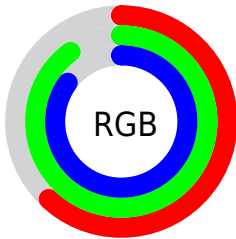
Format	Color
RYB	159, 197, 229
Decimal	10479066
CIELab	86.24, -24.13, -1.64
CIELCh	86, 24.184, 183.891
Yxy	68.4715, 0.2747, 0.3422
Android (android.graphics.Color)	4288669146 (0xFF9FE5DA)
YUV	206.8160, 5.5137, -41.9346
Hunter-Lab	82.7475, -26.2390, 2.9985

Details

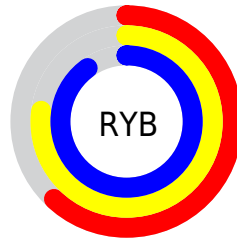
The Yxy color **68.4715, 0.2747, 0.3422** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.3393, 0.3708, 0.3164**, and the grayscale version is **62.2496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **35.5347, 0.2659, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **66.1605, 0.2644, 0.3472**, and if you desaturate by 10%, it is **71.2258, 0.2863, 0.3375**.

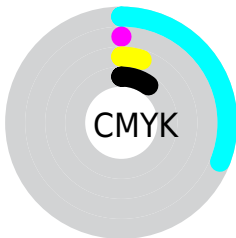
Distribution



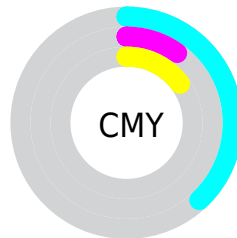
- Red (62%)
- Green (90%)
- Blue (85%)



- Red (62%)
- Yellow (77%)
- Blue (90%)



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)





- Cyan (38%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4715, 0.2747, 0.3422 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 68.4715, 0.2747, 0.3422 by changing the saturation by 10% instead.


 68.4715, 0.2747,
0.3422


 68.4715, 0.2747,
0.3422


455.1648, 0.2924,
0.3361

 50.2814, 0.2706,
0.3436


 117.0264, 0.2809,
0.3401

 35.6371, 0.2656,
0.3453


 148.1600, 0.2832,
0.3393

 24.1540, 0.2592,
0.3474


184.3769, 0.2853,
0.3386

 15.4479, 0.2508,
0.3501

226.0615, 0.2871,
0.3380

 9.1343, 0.2394,
0.3539

273.5982, 0.2887,
0.3374

 4.8289, 0.2228,
0.3591

327.3714, 0.2900,

 2.1472, 0.1969,

0.3370

387.7654, 0.2913,
0.3365

0.3670

0.6910, 0.0417,
0.4250

0.0000, 0.0000,
0.0000

68.4715, 0.2747,
0.3422

68.4715, 0.2747,
0.3422

66.1605, 0.2644,
0.3472

71.2258, 0.2863,
0.3375

64.2605, 0.2555,
0.3525


74.4372, 0.2988,
0.3332


62.7479, 0.2485,
0.3580


78.1293, 0.3119,
0.3292

61.5932, 0.2433,
0.3636


82.3213, 0.3255,
0.3257

 60.7629, 0.2401,
0.3692

 83.3617, 0.3262,
0.3222


 60.2167, 0.2387,
0.3748

 83.5729, 0.3238,
0.3186

 59.8985, 0.2389,
0.3800

 83.7883, 0.3215,
0.3152

 84.0080, 0.3191,
0.3117

 84.2319, 0.3168,
0.3083

Harmonies

Analogous

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



68.4715, 0.3003, 0.3676



68.4715, 0.2747, 0.3422



68.4715, 0.2595, 0.3140

Triad

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



68.4715, 0.2747, 0.3422



68.4715, 0.2935, 0.2821



68.4715, 0.3706, 0.3630

Complementary

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



68.4715, 0.2747, 0.3422



44.3393, 0.3708, 0.3164

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.



68.4715, 0.3690, 0.3397



68.4715, 0.2747, 0.3422



68.4715, 0.3233, 0.2944

Square

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



68.4715, 0.2747, 0.3422



68.4715, 0.2699, 0.2808



68.4715, 0.3514, 0.3151



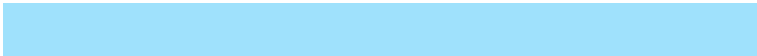
68.4715, 0.3560, 0.3788

Rectangle

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



68.4715, 0.2747, 0.3422



68.4715, 0.2568, 0.2982



68.4715, 0.3514, 0.3151



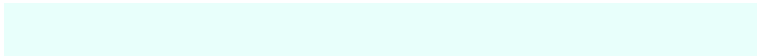
68.4715, 0.3720, 0.3557

Sweetspot

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



68.4743, 0.2747, 0.3422



95.6742, 0.3008, 0.3325



67.1635, 0.3163, 0.4166



20.3388, 0.2989, 0.3331



0.0000, 0.0000, 0.0000



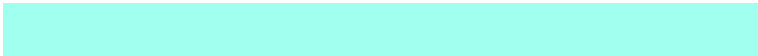
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4743, 0.2747, 0.3422



85.3629, 0.2677, 0.3455



57.0020, 0.2655, 0.3002



16.2955, 0.3002, 0.3327



34.2573, 0.2387, 0.3792



2.5420, 0.2364, 0.3710

Inverse Universe

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



44.3393, 0.3708, 0.3164



49.7411, 0.3891, 0.3136



52.7421, 0.3737, 0.3560



14.4047, 0.3268, 0.3253



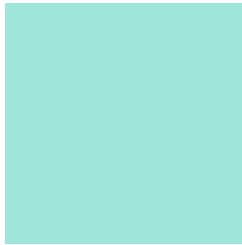
9.6082, 0.6174, 0.3175



0.7214, 0.5810, 0.2974

Previews

White Background



This preview shows how the Yxy color 68.4715, 0.2747, 0.3422 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 68.4715, 0.2747, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

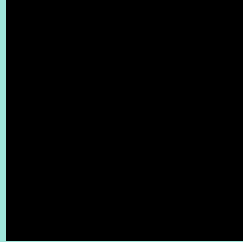
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4715, 0.2747, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 68.4715, 0.2747, 0.3422.

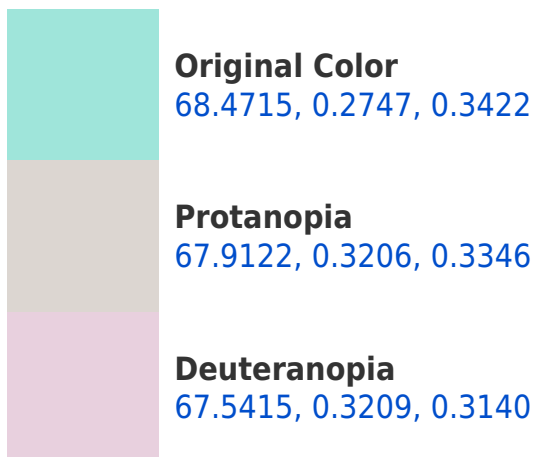


This preview shows how white text looks on a background with the Yxy color 68.4715, 0.2747, 0.3422.

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

68.3208, 0.2643, 0.3080

Trichromacy



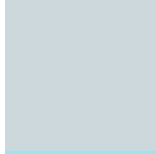
Original Color

68.4715, 0.2747, 0.3422



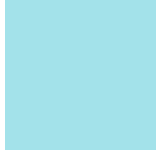
Protanomaly

67.4223, 0.3025, 0.3370



Deuteranomaly

67.3113, 0.3016, 0.3233



Tritanomaly

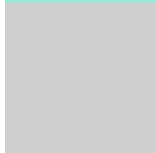
68.1198, 0.2680, 0.3194

Monochromacy



Original Color

68.4715, 0.2747, 0.3422



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.2512, 0.2975, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4715, 0.2747, 0.3422 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(159, 229, 218)` looks like.

```
.text, #text, p{  
    color:rgb(159, 229, 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(159, 229, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 229, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.4715, 0.2747, 0.3422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

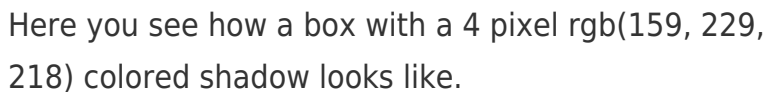
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 229, 218) }
```

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

```
.border{ border-color:rgb(159, 229, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 229, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 229, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 229, 218); box-shadow:4px 4px 4px 4px rgb(159, 229, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4715, 0.2747, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 229, 218) }
```

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

```
.background{ background-color: rgb(159,  
229, 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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