

Converting Colors

$Yxy(68.3817, 0.2731, 0.3493)$

Have a look what the booklet for
Yxy(68.3817, 0.2731, 0.3493)
contains.

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Color

Yxy(68.6823, 0.2732, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	98E7D6
RGB	152, 231, 214
RGB Percent	60%, 91%, 84%
CMY	0.4041, 0.0941, 0.1607
CMYK	0.34, 0.00, 0.07, 0.09
HSL	167°, 62%, 75%
HSV	167°, 34%, 91%
XYZ	53.6574, 68.6823, 74.0638
YIQ	205.4410, -41.6270, -22.0350

Conversions

Conversions Part 2

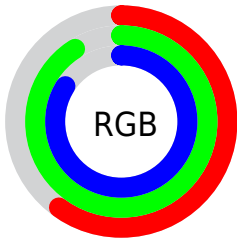
Format	Color
RYB	152, 196, 231
Decimal	10020822
CIELab	86.35, -27.91, 0.57
CIELCh	86, 27.916, 178.835
Yxy	68.6823, 0.2732, 0.3497
Android (android.graphics.Color)	4288210902 (0xFF98E7D6)
YUV	205.4410, 4.2196, -46.8678
Hunter-Lab	82.8748, -29.4607, 5.0259

Details

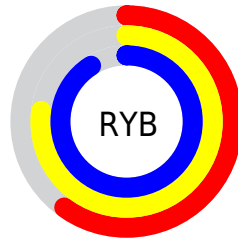
The Yxy color **68.6823, 0.2732, 0.3497** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.2928, 0.3758, 0.3096**, and the grayscale version is **61.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **35.7045, 0.2638, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **66.4200, 0.2639, 0.3568**, and if you desaturate by 10%, it is **71.3919, 0.2837, 0.3430**.

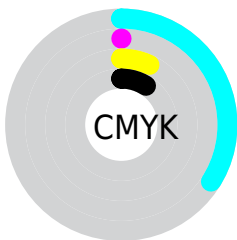
Distribution



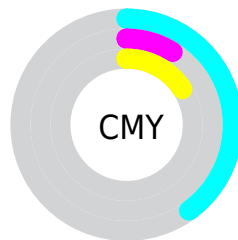
- Red (60%)
- Green (91%)
- Blue (84%)



- Red (60%)
- Yellow (77%)
- Blue (91%)



- Cyan (34%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (40%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6823, 0.2732, 0.3497 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 68.6823, 0.2732, 0.3497 by changing the saturation by 10% instead.


 68.6823, 0.2732,
0.3497


 68.6823, 0.2732,
0.3497


455.9097, 0.2916,
0.3400

 50.4530, 0.2690,
0.3519


 117.3277, 0.2796,
0.3463

 35.7735, 0.2637,
0.3547


 148.5126, 0.2821,
0.3450

 24.2593, 0.2570,
0.3582


184.7848, 0.2843,
0.3439

 15.5261, 0.2482,
0.3629

226.5288, 0.2861,
0.3429

 9.1894, 0.2362,
0.3693

274.1288, 0.2877,
0.3421

 4.8649, 0.2187,
0.3786

327.9694, 0.2892,

 2.1682, 0.1913,

0.3413

0.3934

388.4349, 0.2905,
0.3406

0.7026, 0.0000,
0.4920

0.0000, 0.0000,
0.0000

68.6823, 0.2732,
0.3497

68.6823, 0.2732,
0.3497

66.4200, 0.2639,
0.3568

71.3919, 0.2837,
0.3430

64.5714, 0.2562,
0.3643


74.5638, 0.2953,
0.3369

63.1111, 0.2502,
0.3721


78.2224, 0.3074,
0.3312


62.0077, 0.2462,
0.3800


82.3881, 0.3200,
0.3261


 61.2247, 0.2442,
0.3880

 84.6408, 0.3241,
0.3213


 60.7176, 0.2440,
0.3959

 84.9379, 0.3209,
0.3165

 60.5102, 0.2446,
0.4004

 85.2432, 0.3177,
0.3118

 85.5566, 0.3146,
0.3070

 85.6382, 0.3138,
0.3058

Harmonies

Analogous

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



68.6823, 0.3038, 0.3778



68.6823, 0.2732, 0.3497



68.6823, 0.2536, 0.3166

Triad

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



68.6823, 0.2732, 0.3497



68.6823, 0.2852, 0.2742



68.6823, 0.3806, 0.3635

Complementary

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



68.6823, 0.2732, 0.3497



42.2928, 0.3758, 0.3096

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.



68.6823, 0.3755, 0.3361



68.6823, 0.2732, 0.3497



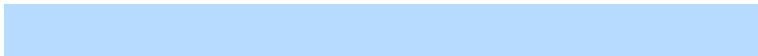
68.6823, 0.3188, 0.2864

Square

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



68.6823, 0.2732, 0.3497



68.6823, 0.2602, 0.2749



68.6823, 0.3524, 0.3085



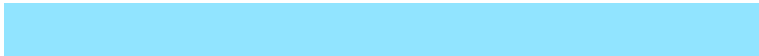
68.6823, 0.3665, 0.3841

Rectangle

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



68.6823, 0.2732, 0.3497



68.6823, 0.2488, 0.2974



68.6823, 0.3524, 0.3085



68.6823, 0.3811, 0.3548

Sweetspot

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



68.6851, 0.2732, 0.3497



95.1325, 0.3003, 0.3344



67.8673, 0.3192, 0.4279



20.2267, 0.2986, 0.3352



0.0000, 0.0000, 0.0000



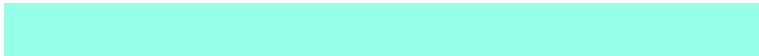
21.4041, 0.3127, 0.3290

Same Dimension

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



68.6851, 0.2732, 0.3497



83.9037, 0.2666, 0.3546



57.8506, 0.2607, 0.3012



16.2806, 0.3010, 0.3341



33.9381, 0.2442, 0.3991



2.5212, 0.2410, 0.3876

Inverse Universe

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



42.2928, 0.3758, 0.3096



46.2303, 0.3951, 0.3057



49.6636, 0.3847, 0.3549



14.4184, 0.3259, 0.3240



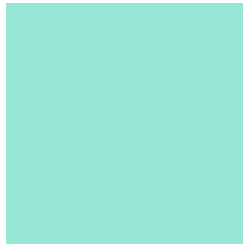
9.6664, 0.6029, 0.3095



0.7279, 0.5625, 0.2873

Previews

White Background



This preview shows how the Yxy color 68.6823, 0.2732, 0.3497 looks on a white background.

Color Contrast Check

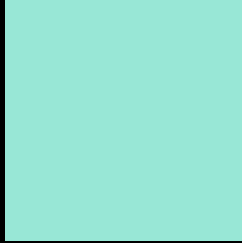
Large Text (above 18pt) WCAG AA × Fail

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 68.6823, 0.2732, 0.3497 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

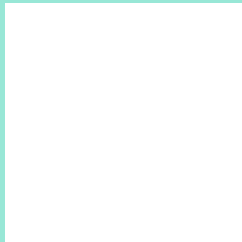
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6823, 0.2732, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 68.6823, 0.2732, 0.3497.

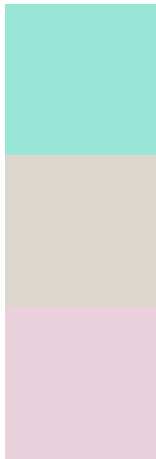


This preview shows how white text looks on a background with the Yxy color 68.6823, 0.2732, 0.3497.

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

68.6823, 0.2732, 0.3497

Protanopia

67.8731, 0.3241, 0.3390

Deuteranopia

67.7186, 0.3246, 0.3173



Tritanopia

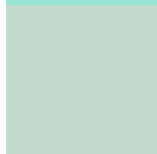
68.3562, 0.2601, 0.3067

Trichromacy



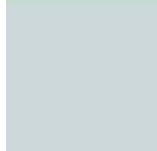
Original Color

68.6823, 0.2732, 0.3497



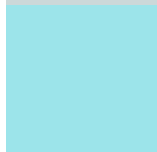
Protanomaly

67.4762, 0.3036, 0.3429



Deuteranomaly

66.9589, 0.3035, 0.3278



Tritanomaly

68.4952, 0.2645, 0.3217

Monochromacy



Original Color

68.6823, 0.2732, 0.3497



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.0863, 0.2967, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6823, 0.2732, 0.3497 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(152, 231, 214)` looks like.

```
.text, #text, p{  
    color:rgb(152, 231, 214)  
}
```

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(152, 231, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 231, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.6823, 0.2732, 0.3497 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(152, 231, 214) }
```

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

```
.border{ border-color:rgb(152, 231, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 231, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 231, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 231, 214);  
box-shadow:4px 4px 4px 4px rgb(152, 231,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6823, 0.2732, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 231, 214) }
```

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

```
.background{ background-color: rgb(152,  
231, 214) }
```

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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