

Converting Colors

$Yxy(68.1317, 0.2644, 0.3330)$

Have a look what the booklet for
Yxy(68.1317, 0.2644, 0.3330)
contains.

Yxy(68.3805, 0.2647, 0.3337)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.3805, 0.2647, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	94E6E2
RGB	148, 230, 226
RGB Percent	58%, 90%, 89%
CMY	0.4195, 0.0980, 0.1137
CMYK	0.36, 0.00, 0.02, 0.10
HSL	177°, 62%, 74%
HSV	177°, 36%, 90%
XYZ	54.2413, 68.3805, 82.2943
YIQ	205.0260, -47.5880, -18.6280

Conversions

Conversions Part 2

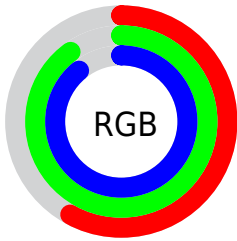
Format	Color
RYB	148, 190, 230
Decimal	9758434
CIELab	86.20, -25.77, -5.98
CIELCh	86, 26.454, 193.062
Yxy	68.3805, 0.2647, 0.3337
Android (android.graphics.Color)	4287948514 (0xFF94E6E2)
YUV	205.0260, 10.3402, -50.0118
Hunter-Lab	82.6925, -27.6267, -1.1197

Details

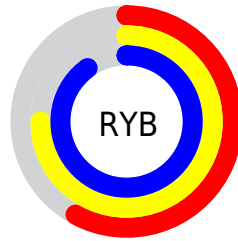
The Yxy color **68.3805, 0.2647, 0.3337** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.2805, 0.3940, 0.3246**, and the grayscale version is **61.0292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **35.4877, 0.2529, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **66.3854, 0.2542, 0.3352**, and if you desaturate by 10%, it is **70.8076, 0.2768, 0.3323**.

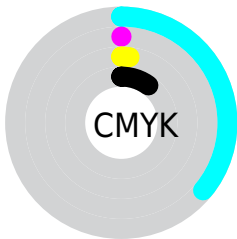
Distribution



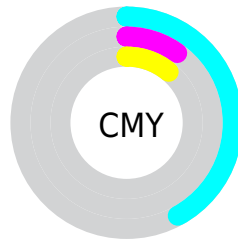
- Red (58%)
- Green (90%)
- Blue (89%)



- Red (58%)
- Yellow (75%)
- Blue (90%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3805, 0.2647, 0.3337 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 68.3805, 0.2647, 0.3337 by changing the saturation by 10% instead.

 68.3805, 0.2647,
0.3337

 68.3805, 0.2647,
0.3337


454.8430, 0.2869,
0.3319

 50.2074, 0.2596,
0.3340


 116.8963, 0.2724,
0.3331

 35.5782, 0.2534,
0.3344


 148.0078, 0.2754,
0.3329

 24.1086, 0.2455,
0.3348


184.2008, 0.2780,
0.3327

 15.4142, 0.2353,
0.3352

225.8597, 0.2802,
0.3325

 9.1106, 0.2214,
0.3355

273.3690, 0.2822,
0.3323

 4.8134, 0.2016,
0.3355

327.1131, 0.2839,

 2.1382, 0.1715,

0.3321

387.4763, 0.2855,
0.3320

0.3341

0.6860, 0.0121,
0.3633

0.0000, 0.0000,
0.0000

68.3805, 0.2647,
0.3337

68.3805, 0.2647,
0.3337

66.3854, 0.2542,
0.3352

70.8076, 0.2768,
0.3323

64.7888, 0.2454,
0.3368

73.6817, 0.2901,
0.3309

63.5652, 0.2385,
0.3384

77.0273, 0.3044,
0.3297

62.6831, 0.2335,
0.3400

80.8645, 0.3193,
0.3285

■ 62.1056, 0.2305,
0.3417

■ 83.6570, 0.3290,
0.3275

■ 61.7871, 0.2291,
0.3433

■ 83.7207, 0.3282,
0.3264

■ 61.6966, 0.2289,
0.3440

■ 83.7849, 0.3275,
0.3252

■ 83.8495, 0.3268,
0.3241

■ 83.9144, 0.3260,
0.3230

Harmonies

Analogous

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



68.3805, 0.2896, 0.3639



68.3805, 0.2647, 0.3337



68.3805, 0.2525, 0.3040

Triad

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



68.3805, 0.2647, 0.3337



68.3805, 0.3012, 0.2809



68.3805, 0.3729, 0.3724

Complementary

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



68.3805, 0.2647, 0.3337



40.2805, 0.3940, 0.3246

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.



68.3805, 0.3769, 0.3486



68.3805, 0.2647, 0.3337



68.3805, 0.3343, 0.2974

Square

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



68.3805, 0.2647, 0.3337



68.3805, 0.2727, 0.2755



68.3805, 0.3626, 0.3217



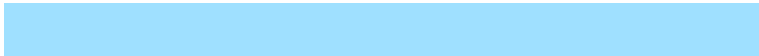
68.3805, 0.3523, 0.3861

Rectangle

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



68.3805, 0.2647, 0.3337



68.3805, 0.2527, 0.2888



68.3805, 0.3626, 0.3217



68.3805, 0.3763, 0.3653

Sweetspot

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



68.3832, 0.2647, 0.3337



94.9751, 0.2965, 0.3303



65.4202, 0.3103, 0.4354



20.2072, 0.2946, 0.3305



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.



68.3832, 0.2647, 0.3337



84.4523, 0.2565, 0.3349



50.2023, 0.2562, 0.2821



16.3236, 0.2988, 0.3301



34.9350, 0.2288, 0.3437



2.5853, 0.2282, 0.3414

Inverse Universe

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



40.2805, 0.3940, 0.3246



43.8423, 0.4207, 0.3237



53.6252, 0.3830, 0.3714



14.3793, 0.3285, 0.3279



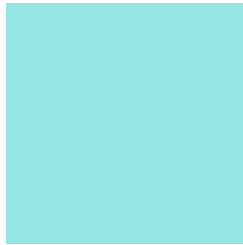
9.5433, 0.6347, 0.3270



0.7093, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 68.3805, 0.2647, 0.3337 looks on a white background.

Color Contrast Check

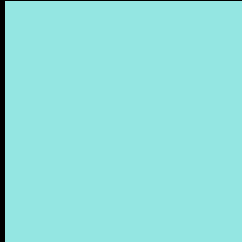
Large Text (above 18pt) WCAG AA × Fail

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 68.3805, 0.2647, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

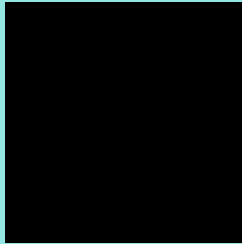
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

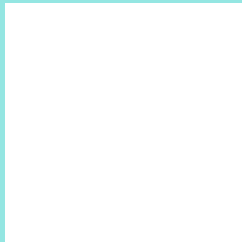
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.3805, 0.2647, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 68.3805, 0.2647, 0.3337.

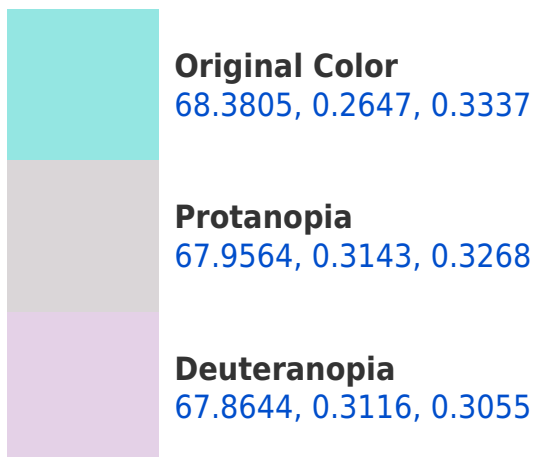


This preview shows how white text looks on a background with the Yxy color 68.3805, 0.2647, 0.3337.

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

68.3030, 0.2572, 0.3077

Trichromacy



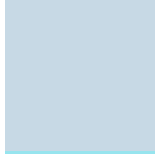
Original Color

68.3805, 0.2647, 0.3337



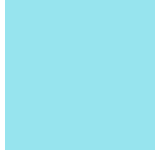
Protanomaly

67.6912, 0.2940, 0.3289



Deuteranomaly

67.4250, 0.2924, 0.3154



Tritanomaly

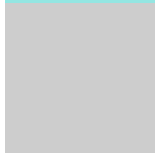
68.2392, 0.2598, 0.3170

Monochromacy



Original Color

68.3805, 0.2647, 0.3337



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.0876, 0.2921, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3805, 0.2647, 0.3337 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(148, 230, 226)` looks like.

```
.text, #text, p{  
    color:rgb(148, 230, 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(148, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 230, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.3805, 0.2647, 0.3337 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(148, 230, 226) }
```

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

```
.border{ border-color:rgb(148, 230, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 230, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 230, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 230, 226);  
box-shadow:4px 4px 4px 4px rgb(148, 230,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3805, 0.2647, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 230, 226) }
```

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

```
.background{ background-color: rgb(148,  
230, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor