

Converting Colors

$Yxy(68.6239, 0.2646, 0.3289)$

Have a look what the booklet for
Yxy(68.6239, 0.2646, 0.3289)
contains.

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Color

Yxy(68.8301, 0.2647, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	97E6E5
RGB	151, 230, 229
RGB Percent	59%, 90%, 90%
CMY	0.4080, 0.0980, 0.1020
CMYK	0.34, 0.00, 0.00, 0.10
HSL	179°, 61%, 75%
HSV	179°, 34%, 90%
XYZ	55.1934, 68.8301, 84.4894
YIQ	206.2650, -46.7630, -17.0590

Conversions

Conversions Part 2

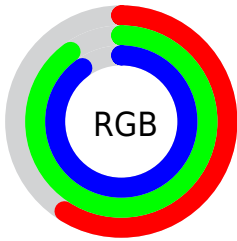
Format	Color
RYB	151, 191, 230
Decimal	9955045
CIELab	86.42, -24.32, -7.20
CIElCh	86, 25.364, 196.490
Yxy	68.8301, 0.2647, 0.3301
Android (android.graphics.Color)	4288145125 (0xFF97E6E5)
YUV	206.2650, 11.2084, -48.4674
Hunter-Lab	82.9639, -26.4362, -2.3055

Details

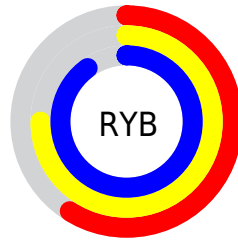
The Yxy color **68.8301, 0.2647, 0.3301** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2115, 0.3929, 0.3280**, and the grayscale version is **61.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **35.8149, 0.2534, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **66.8266, 0.2537, 0.3305**, and if you desaturate by 10%, it is **71.2684, 0.2773, 0.3297**.

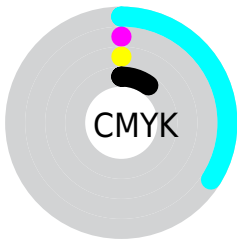
Distribution



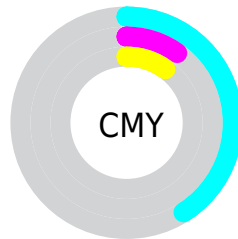
- Red (59%)
- Green (90%)
- Blue (90%)



- Red (59%)
- Yellow (75%)
- Blue (90%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (41%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8301, 0.2647, 0.3301 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 68.8301, 0.2647, 0.3301 by changing the saturation by 10% instead.


 68.8301, 0.2647,
0.3301

 68.8301, 0.2647,
0.3301


456.4315, 0.2868,
0.3300

 50.5734, 0.2597,
0.3300


 117.5389, 0.2724,
0.3301

 35.8692, 0.2535,
0.3299


 148.7597, 0.2753,
0.3301

 24.3332, 0.2457,
0.3297


185.0707, 0.2779,
0.3301

 15.5810, 0.2355,
0.3292

226.8562, 0.2802,
0.3301

 9.2281, 0.2218,
0.3283

274.5006, 0.2821,
0.3301

 4.8903, 0.2023,
0.3265

328.3884, 0.2839,

 2.1830, 0.1727,

0.3300

388.9039, 0.2854,
0.3300

0.3224

0.7107, 0.0389,
0.3377

0.0000, 0.0000,
0.0000

68.8301, 0.2647,
0.3301

68.8301, 0.2647,
0.3301

66.8266, 0.2537,
0.3305

71.2684, 0.2773,
0.3297

65.2246, 0.2444,
0.3309

74.1562, 0.2911,
0.3294

63.9991, 0.2370,
0.3313

77.5178, 0.3060,
0.3291

63.1189, 0.2316,
0.3317

81.3732, 0.3215,
0.3289

■ 62.5481, 0.2281,
0.3321

■ 83.6021, 0.3297,
0.3286

■ 62.2425, 0.2263,
0.3325

■ 83.6190, 0.3295,
0.3283

■ 62.1479, 0.2258,
0.3328

■ 83.6360, 0.3293,
0.3280

■ 83.6531, 0.3291,
0.3277

■ 83.6701, 0.3289,
0.3274

Harmonies

Analogous

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



68.8301, 0.2875, 0.3594



68.8301, 0.2647, 0.3301



68.8301, 0.2546, 0.3023

Triad

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



68.8301, 0.2647, 0.3301



68.8301, 0.3053, 0.2842



68.8301, 0.3688, 0.3728

Complementary

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



68.8301, 0.2647, 0.3301



41.2115, 0.3929, 0.3280

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.



68.8301, 0.3746, 0.3508



68.8301, 0.2647, 0.3301



68.8301, 0.3369, 0.3011

Square

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



68.8301, 0.2647, 0.3301



68.8301, 0.2771, 0.2777



68.8301, 0.3628, 0.3250



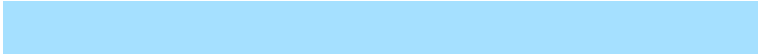
68.8301, 0.3476, 0.3842

Rectangle

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



68.8301, 0.2647, 0.3301



68.8301, 0.2559, 0.2886



68.8301, 0.3628, 0.3250



68.8301, 0.3726, 0.3663

Sweetspot

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



68.8328, 0.2647, 0.3301



95.4589, 0.2974, 0.3293



65.5365, 0.3087, 0.4316



20.3062, 0.2954, 0.3293



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.



68.8328, 0.2647, 0.3301



85.1790, 0.2569, 0.3304



49.9021, 0.2578, 0.2806



16.3330, 0.2983, 0.3293



35.1812, 0.2258, 0.3327



2.6008, 0.2256, 0.3321

Inverse Universe

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



41.2115, 0.3929, 0.3280



45.4776, 0.4172, 0.3279



55.5259, 0.3789, 0.3727



14.3710, 0.3291, 0.3287



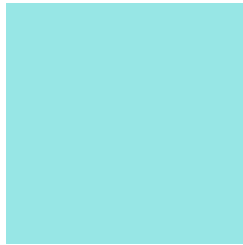
9.5294, 0.6386, 0.3292



0.7053, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 68.8301, 0.2647, 0.3301 looks on a white background.

Color Contrast Check

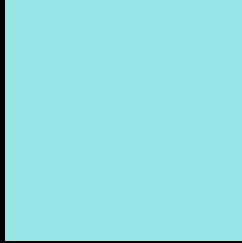
Large Text (above 18pt) WCAG AA × Fail

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 68.8301, 0.2647, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

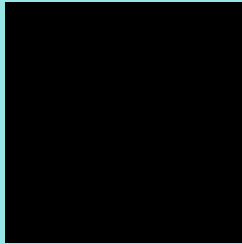
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8301, 0.2647, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 68.8301, 0.2647, 0.3301.

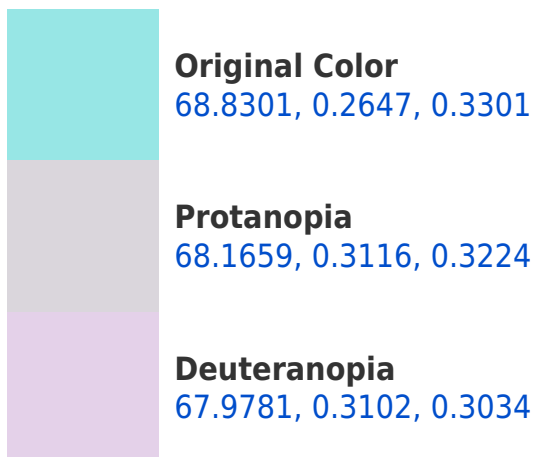


This preview shows how white text looks on a background with the Yxy color 68.8301, 0.2647, 0.3301.

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

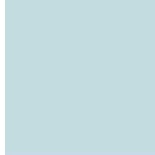
68.5606, 0.2577, 0.3067

Trichromacy



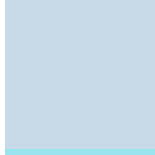
Original Color

68.8301, 0.2647, 0.3301



Protanomaly

67.9834, 0.2928, 0.3255



Deuteranomaly

67.7313, 0.2912, 0.3121



Tritanomaly

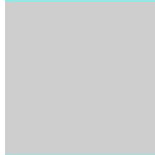
68.6481, 0.2604, 0.3147

Monochromacy



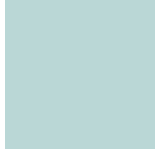
Original Color

68.8301, 0.2647, 0.3301



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.8950, 0.2929, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8301, 0.2647, 0.3301 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(151, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(151, 230, 229)  
}
```

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(151, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 230, 229) }
```

Border

The CSS property to change the border of an element to Yxy 68.8301, 0.2647, 0.3301 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(151, 230, 229) }
```

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

```
.border{ border-color:rgb(151, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 230, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 230, 229); box-shadow:4px 4px 4px 4px rgb(151, 230, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8301, 0.2647, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 230, 229) }
```

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

```
.background{ background-color: rgb(151,  
230, 229) }
```

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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