

Converting Colors

$Yxy(66.8987, 0.2621, 0.3399)$

Have a look what the booklet for
Yxy(66.8987, 0.2621, 0.3399)
contains.

Yxy(67.2174, 0.2622, 0.3400)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.2174, 0.2622, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	8AE6DD
RGB	138, 230, 221
RGB Percent	54%, 90%, 87%
CMY	0.4586, 0.0981, 0.1334
CMYK	0.40, 0.00, 0.04, 0.10
HSL	174°, 65%, 72%
HSV	174°, 40%, 90%
XYZ	51.8365, 67.2174, 78.6444
YIQ	201.4660, -51.9430, -22.3030

Conversions

Conversions Part 2

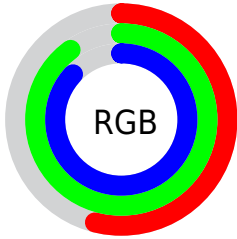
Format	Color
R _{YB}	138, 186, 230
Decimal	9103069
CIE Lab	85.61, -29.48, -4.25
CIE LCh	86, 29.785, 188.203
Yxy	67.2174, 0.2622, 0.3400
Android (android.graphics.Color)	4287293149 (0xFF8AE6DD)
YUV	201.4660, 9.6303, -55.6597
Hunter-Lab	81.9862, -30.6178, 0.5171

Details

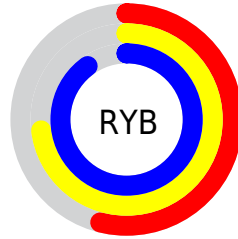
The Yxy color **67.2174, 0.2622, 0.3400** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.1274, 0.4036, 0.3188**, and the grayscale version is **58.6866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **34.7746, 0.2500, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **65.3412, 0.2528, 0.3432**, and if you desaturate by 10%, it is **69.5159, 0.2732, 0.3369**.

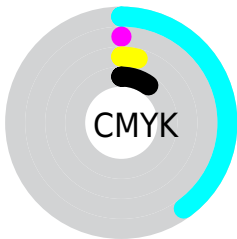
Distribution



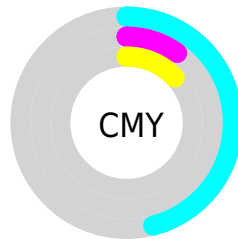
- Red (54%)
- Green (90%)
- Blue (87%)



- Red (54%)
- Yellow (73%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2174, 0.2622, 0.3400 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 67.2174, 0.2622, 0.3400 by changing the saturation by 10% instead.


 67.2174, 0.2622,
0.3400

 67.2174, 0.2622,
0.3400


450.7182, 0.2856,
0.3352

 49.2613, 0.2568,
0.3410

 115.2319, 0.2703,
0.3384

 34.8268, 0.2502,
0.3423


 146.0590, 0.2735,
0.3377

 23.5295, 0.2418,
0.3438


181.9454, 0.2762,
0.3372

 14.9850, 0.2309,
0.3457

223.2753, 0.2786,
0.3367

 8.8088, 0.2160,
0.3481

270.4331, 0.2807,
0.3362

 4.6167, 0.1947,
0.3510

323.8033, 0.2825,

 2.0242, 0.1621,

0.3358

383.7702, 0.2842,
0.3355

0.3544

0.6215, 0.0000,
0.3896

0.0000, 0.0000,
0.0000

67.2174, 0.2622,
0.3400

67.2174, 0.2622,
0.3400

65.3412, 0.2528,
0.3432

69.5159, 0.2732,
0.3369

63.8530, 0.2452,
0.3465


72.2529, 0.2855,
0.3341


62.7259, 0.2394,
0.3499


75.4533, 0.2988,
0.3314

61.9261, 0.2357,
0.3533


79.1380, 0.3128,
0.3290


 61.4138, 0.2337,
0.3566

 83.3264, 0.3272,
0.3268


 61.1200, 0.2333,
0.3600

 83.8203, 0.3271,
0.3246

 61.1192, 0.2333,
0.3600

 83.9510, 0.3256,
0.3224

 84.0832, 0.3241,
0.3202

 84.2172, 0.3226,
0.3180

Harmonies

Analogous

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



67.2174, 0.2920, 0.3736



67.2174, 0.2622, 0.3400



67.2174, 0.2461, 0.3053

Triad

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



67.2174, 0.2622, 0.3400



67.2174, 0.2937, 0.2731



67.2174, 0.3830, 0.3739

Complementary

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



67.2174, 0.2622, 0.3400



37.1274, 0.4036, 0.3188

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.



67.2174, 0.3843, 0.3459



67.2174, 0.2622, 0.3400



67.2174, 0.3310, 0.2898

Square

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



67.2174, 0.2622, 0.3400



67.2174, 0.2634, 0.2692



67.2174, 0.3649, 0.3157



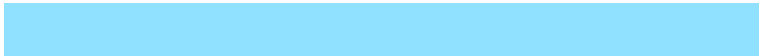
67.2174, 0.3621, 0.3922

Rectangle

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



67.2174, 0.2622, 0.3400



67.2174, 0.2445, 0.2870



67.2174, 0.3649, 0.3157



67.2174, 0.3858, 0.3652

Sweetspot

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



67.2201, 0.2622, 0.3400



94.4598, 0.2959, 0.3320



64.6549, 0.3127, 0.4496



20.1008, 0.2941, 0.3323



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.



67.2201, 0.2622, 0.3400



82.9461, 0.2543, 0.3427



49.3611, 0.2504, 0.2815



16.3108, 0.2995, 0.3313



34.6142, 0.2332, 0.3595



2.5650, 0.2318, 0.3546

Inverse Universe

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



37.1274, 0.4036, 0.3188



39.9572, 0.4335, 0.3170



49.2564, 0.3961, 0.3715



14.3908, 0.3277, 0.3267



9.5662, 0.6285, 0.3236



0.7147, 0.6015, 0.3087

Previews

White Background



This preview shows how the Yxy color 67.2174, 0.2622, 0.3400 looks on a white background.

Color Contrast Check

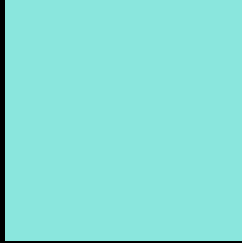
Large Text (above 18pt) WCAG AA × Fail

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 67.2174, 0.2622, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

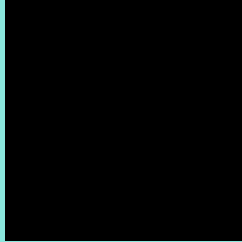
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

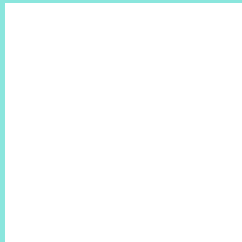
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2174, 0.2622, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 67.2174, 0.2622, 0.3400.

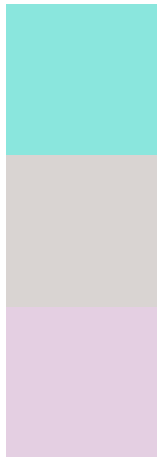


This preview shows how white text looks on a background with the Yxy color 67.2174, 0.2622, 0.3400.

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

67.2174, 0.2622, 0.3400

Protanopia

66.4918, 0.3178, 0.3313

Deuteranopia

66.6106, 0.3152, 0.3086



Tritanopia

66.9146, 0.2526, 0.3063

Trichromacy



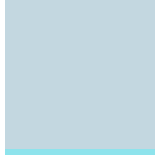
Original Color

67.2174, 0.2622, 0.3400



Protanomaly

66.2094, 0.2944, 0.3348



Deuteranomaly

65.5848, 0.2927, 0.3186



Tritanomaly

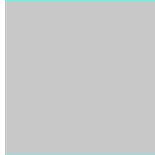
66.7451, 0.2561, 0.3180

Monochromacy



Original Color

67.2174, 0.2622, 0.3400



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.1060, 0.2911, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2174, 0.2622, 0.3400 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(138, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(138, 230, 221)  
}
```

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(138, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 230, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.2174, 0.2622, 0.3400 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(138, 230, 221) }
```

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

```
.border{ border-color:rgb(138, 230, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 230, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(138, 230,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2174, 0.2622, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 230, 221) }
```

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

```
.background{ background-color: rgb(138,  
230, 221) }
```

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