

Converting Colors

$Yxy(67.1802, 0.2559, 0.3235)$

Have a look what the booklet for
Yxy(67.1802, 0.2559, 0.3235)
contains.

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Color

Yxy(67.3251, 0.2560, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5E9
RGB	138, 229, 233
RGB Percent	54%, 90%, 91%
CMY	0.4592, 0.1019, 0.0863
CMYK	0.41, 0.02, 0.00, 0.09
HSL	183°, 68%, 73%
HSV	183°, 41%, 91%
XYZ	53.1951, 67.3251, 87.2733
YIQ	202.2470, -55.5200, -18.0480

Conversions

Conversions Part 2

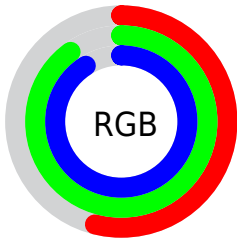
Format	Color
RYB	138, 184, 233
Decimal	9102825
CIELab	85.67, -26.18, -10.49
CIELCh	86, 28.200, 201.844
Yxy	67.3251, 0.2560, 0.3240
Android (android.graphics.Color)	4287292905 (0xFF8AE5E9)
YUV	202.2470, 15.1612, -56.3446
Hunter-Lab	82.0519, -27.8672, -5.6266

Details

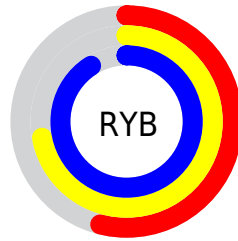
The Yxy color **67.3251, 0.2560, 0.3240** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.4632, 0.4152, 0.3338**, and the grayscale version is **59.1424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **34.7669, 0.2427, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **65.0139, 0.2455, 0.3226**, and if you desaturate by 10%, it is **70.0707, 0.2681, 0.3253**.

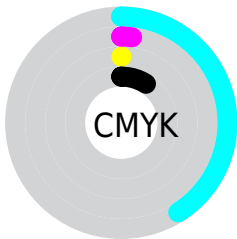
Distribution



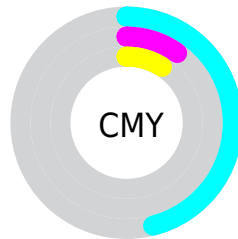
- Red (54%)
- Green (90%)
- Blue (91%)



- Red (54%)
- Yellow (72%)
- Blue (91%)



- Cyan (41%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)





- Cyan (46%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3251, 0.2560, 0.3240 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 67.3251, 0.2560, 0.3240 by changing the saturation by 10% instead.

 67.3251, 0.2560,
0.3240

 67.3251, 0.2560,
0.3240


451.1011, 0.2821,
0.3269

 49.3489, 0.2501,
0.3232


 115.3861, 0.2650,
0.3251

 34.8963, 0.2428,
0.3221


 146.2397, 0.2685,
0.3255

 23.5830, 0.2336,
0.3206


182.1545, 0.2716,
0.3259

 15.0246, 0.2218,
0.3184

223.5150, 0.2742,
0.3262

 8.8366, 0.2058,
0.3151

270.7055, 0.2766,
0.3264

 4.6348, 0.1834,
0.3095

324.1104, 0.2786,

 2.0346, 0.1499,

0.3266

0.2988

384.1141, 0.2805,
0.3268

0.6275, 0.0000,
0.2962

0.0000, 0.0000,
0.0000

67.3251, 0.2560,
0.3240

67.3251, 0.2560,
0.3240

65.0139, 0.2455,
0.3226

70.0707, 0.2681,
0.3253

63.1017, 0.2369,
0.3212


73.2679, 0.2816,
0.3266

61.5603, 0.2302,
0.3198

76.9424, 0.2961,
0.3278


60.3545, 0.2254,
0.3184


81.1159, 0.3114,
0.3289


 59.4423, 0.2225,
0.3170


 85.8085, 0.3273,
0.3299

 58.7987, 0.2210,
0.3157

 86.4769, 0.3276,
0.3309

 87.0350, 0.3275,
0.3318

 87.5961, 0.3274,
0.3328

 88.1602, 0.3273,
0.3337

Harmonies

Analogous

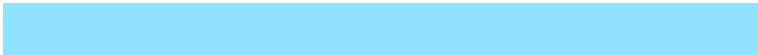
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3251, 0.2790, 0.3576



67.3251, 0.2560, 0.3240



67.3251, 0.2477, 0.2943

Triad

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



67.3251, 0.2560, 0.3240



67.3251, 0.3106, 0.2818



67.3251, 0.3723, 0.3811

Complementary

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



67.3251, 0.2560, 0.3240



38.4632, 0.4152, 0.3338

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.



67.3251, 0.3824, 0.3579



67.3251, 0.2560, 0.3240



67.3251, 0.3457, 0.3022

Square

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



67.3251, 0.2560, 0.3240



67.3251, 0.2778, 0.2722



67.3251, 0.3726, 0.3294



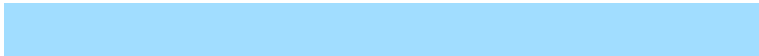
67.3251, 0.3460, 0.3915

Rectangle

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



67.3251, 0.2560, 0.3240



67.3251, 0.2510, 0.2807



67.3251, 0.3726, 0.3294



67.3251, 0.3777, 0.3744

Sweetspot

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



67.3277, 0.2560, 0.3240



93.8389, 0.2942, 0.3277



65.5926, 0.3051, 0.4506



19.9535, 0.2923, 0.3275



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.



67.3277, 0.2560, 0.3240



80.2067, 0.2471, 0.3228



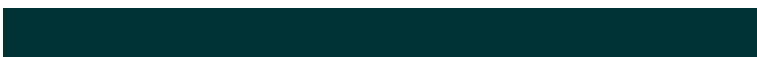
44.8480, 0.2463, 0.2633



17.0077, 0.2981, 0.3280



33.4144, 0.2211, 0.3160



2.6574, 0.2216, 0.3178

Inverse Universe

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



41.1302, 0.3210, 0.2323



44.1271, 0.3228, 0.2144



55.3850, 0.3925, 0.3862



15.3023, 0.3144, 0.3067



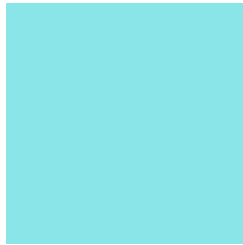
12.8660, 0.3316, 0.1600



1.0137, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 67.3251, 0.2560, 0.3240 looks on a white background.

Color Contrast Check

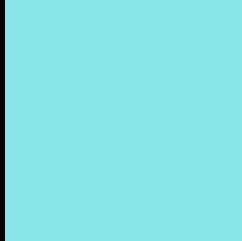
Large Text (above 18pt) WCAG AA × Fail

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 67.3251, 0.2560, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

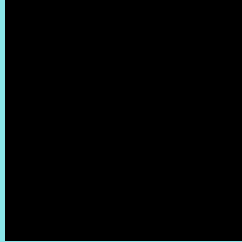
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3251, 0.2560, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 67.3251, 0.2560, 0.3240.

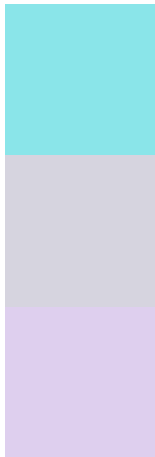


This preview shows how white text looks on a background with the Yxy color 67.3251, 0.2560, 0.3240.

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

67.3251, 0.2560, 0.3240

Protanopia

66.7108, 0.3067, 0.3168

Deuteranopia

66.3283, 0.3026, 0.2957



Tritanopia

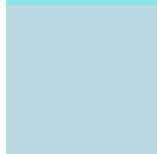
67.1935, 0.2513, 0.3074

Trichromacy



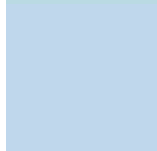
Original Color

67.3251, 0.2560, 0.3240



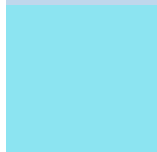
Protanomaly

66.1280, 0.2851, 0.3185



Deuteranomaly

65.7334, 0.2827, 0.3050



Tritanomaly

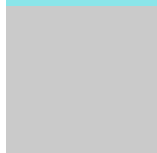
67.4131, 0.2529, 0.3132

Monochromacy



Original Color

67.3251, 0.2560, 0.3240



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.4748, 0.2886, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3251, 0.2560, 0.3240 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, 229, 233)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 233)  
}
```

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, 229, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.3251, 0.2560, 0.3240 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, 229, 233) }
```

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

```
.border{ border-color:rgb(138, 229, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 229, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 229, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 229, 233);  
box-shadow:4px 4px 4px 4px rgb(138, 229,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3251, 0.2560, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 233) }
```

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

```
.background{ background-color: rgb(138,  
229, 233) }
```

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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