

Converting Colors

$Y_{xy}(67.7332, 0.2665, 0.3371)$

Have a look what the booklet for
Yxy(67.7332, 0.2665, 0.3371)
contains.

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Color

Yxy(67.6084, 0.2666, 0.3374)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 94E5DE |
| RGB | 148, 229, 222 |
| RGB Percent | 58%, 90%, 87% |
| CMY | 0.4195, 0.1020, 0.1294 |
| CMYK | 0.35, 0.00, 0.03, 0.10 |
| HSL | 175°, 61%, 74% |
| HSV | 175°, 35%, 90% |
| XYZ | 53.4215, 67.6084, 79.3507 |
| YIQ | 203.9830, -46.0290, -19.3490 |

Conversions

Conversions Part 2

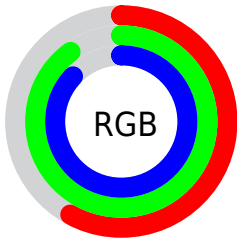
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 148, 190, 229 |
| Decimal | 9758174 |
| CIELab | 85.81, -26.21, -4.45 |
| CIELCh | 86, 26.580, 189.629 |
| Yxy | 67.6084, 0.2666, 0.3374 |
| Android (android.graphics.Color) | 4287948254 (0xFF94E5DE) |
| YUV | 203.9830, 8.8824, -49.0971 |
| Hunter-Lab | 82.2243, -27.9204, 0.3391 |

Details

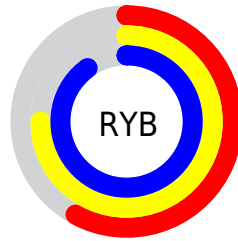
The Yxy color **67.6084, 0.2666, 0.3374** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.2130, 0.3898, 0.3211**, and the grayscale version is **60.3422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **35.0043, 0.2557, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **65.5769, 0.2563, 0.3402**, and if you desaturate by 10%, it is **70.0689, 0.2783, 0.3348**.

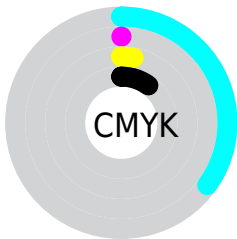
Distribution



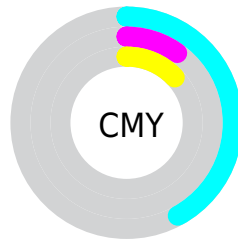
- Red (58%)
- Green (90%)
- Blue (87%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6084, 0.2666, 0.3374 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 67.6084, 0.2666, 0.3374 by changing the saturation by 10% instead.

 67.6084, 0.2666,
0.3374

 67.6084, 0.2666,
0.3374

452.1073, 0.2880,
0.3337

 49.5792, 0.2617,
0.3382


 115.7918, 0.2740,
0.3362

 35.0792, 0.2557,
0.3391


 146.7147, 0.2769,
0.3357

 23.7239, 0.2480,
0.3402


182.7044, 0.2794,
0.3353

 15.1289, 0.2380,
0.3416

224.1452, 0.2816,
0.3349

 8.9099, 0.2244,
0.3433

271.4215, 0.2835,
0.3346

 4.6825, 0.2048,
0.3453

324.9177, 0.2852,

 2.0622, 0.1747,

0.3343

385.0181, 0.2867,
0.3340

0.3474

0.6432, 0.0000,
0.3886

0.0000, 0.0000,
0.0000

67.6084, 0.2666,
0.3374

67.6084, 0.2666,
0.3374

65.5769, 0.2563,
0.3402

70.0689, 0.2783,
0.3348

63.9414, 0.2478,
0.3430

72.9735, 0.2912,
0.3324

62.6768, 0.2411,
0.3459

76.3459, 0.3051,
0.3301

61.7520, 0.2363,
0.3489

80.2063, 0.3195,
0.3281

■ 61.1306, 0.2335,
0.3519

■ 83.1179, 0.3289,
0.3262

■ 60.7679, 0.2324,
0.3548

■ 83.2307, 0.3276,
0.3242

■ 60.6537, 0.2323,
0.3561

■ 83.3448, 0.3263,
0.3223

■ 83.4602, 0.3250,
0.3204

■ 83.5768, 0.3237,
0.3184

Harmonies

Analogous

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



67.6084, 0.2929, 0.3672



67.6084, 0.2666, 0.3374



67.6084, 0.2527, 0.3068

Triad

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



67.6084, 0.2666, 0.3374



67.6084, 0.2974, 0.2793



67.6084, 0.3748, 0.3704

Complementary

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



67.6084, 0.2666, 0.3374



40.2130, 0.3898, 0.3211

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.



67.6084, 0.3767, 0.3457



67.6084, 0.2666, 0.3374



67.6084, 0.3307, 0.2948

Square

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



67.6084, 0.2666, 0.3374



67.6084, 0.2697, 0.2753



67.6084, 0.3603, 0.3185



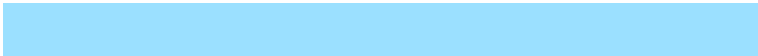
67.6084, 0.3556, 0.3858

Rectangle

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



67.6084, 0.2666, 0.3374



67.6084, 0.2517, 0.2907



67.6084, 0.3603, 0.3185



67.6084, 0.3776, 0.3629

Sweetspot

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



67.6111, 0.2666, 0.3374



94.9079, 0.2971, 0.3314



65.2572, 0.3130, 0.4336



20.1910, 0.2952, 0.3317



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.



67.6111, 0.2666, 0.3374



84.4458, 0.2594, 0.3393



51.7111, 0.2574, 0.2879



16.3138, 0.2993, 0.3310



34.6882, 0.2321, 0.3557



2.5697, 0.2309, 0.3514

Inverse Universe

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



40.2130, 0.3898, 0.3211



44.8475, 0.4127, 0.3196



51.6074, 0.3840, 0.3665



14.3881, 0.3279, 0.3270



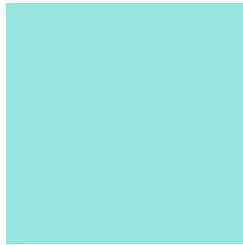
9.5599, 0.6302, 0.3245



0.7134, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 67.6084, 0.2666, 0.3374 looks on a white background.

Color Contrast Check

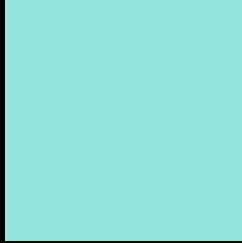
Large Text (above 18pt) WCAG AA × Fail

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 67.6084, 0.2666, 0.3374 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

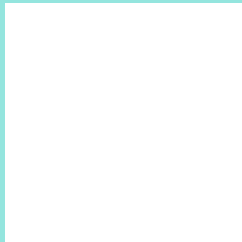
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6084, 0.2666, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 67.6084, 0.2666, 0.3374.

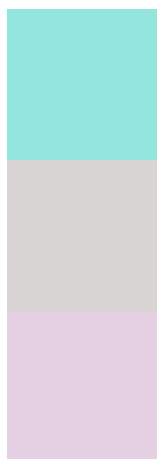


This preview shows how white text looks on a background with the Yxy color 67.6084, 0.2666, 0.3374.

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

67.6084, 0.2666, 0.3374

Protanopia

67.0937, 0.3163, 0.3301

Deuteranopia

66.6657, 0.3145, 0.3075



Tritanopia

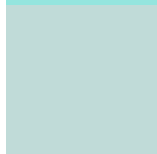
67.6967, 0.2575, 0.3077

Trichromacy



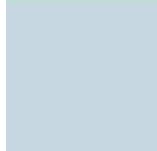
Original Color

67.6084, 0.2666, 0.3374



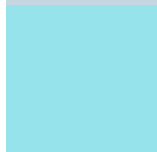
Protanomaly

66.8274, 0.2958, 0.3324



Deuteranomaly

66.1792, 0.2948, 0.3176



Tritanomaly

67.5736, 0.2607, 0.3181

Monochromacy



Original Color

67.6084, 0.2666, 0.3374



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.4820, 0.2934, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6084, 0.2666, 0.3374 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, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(148, 229, 222)  
}
```

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, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 229, 222) }
```

Border

The CSS property to change the border of an element to Yxy 67.6084, 0.2666, 0.3374 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, 229, 222) }
```

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

```
.border{ border-color:rgb(148, 229, 222) }
```

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

Here you see how a box with a 4 pixel rgb(148, 229, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 229, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 229, 222);  
box-shadow:4px 4px 4px 4px rgb(148, 229,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6084, 0.2666, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 229, 222) }
```

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

```
.background{ background-color: rgb(148,  
229, 222) }
```

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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