

Converting Colors

$Yxy(68.7979, 0.2763, 0.3432)$

Have a look what the booklet for
Yxy(68.7979, 0.2763, 0.3432)
contains.

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Color

Yxy(68.6254, 0.2764, 0.3434)

Conversions

Conversions Part 1

Format	Color
Hex	A1E5D9
RGB	161, 229, 217
RGB Percent	63%, 90%, 85%
CMY	0.3688, 0.1019, 0.1490
CMYK	0.30, 0.00, 0.05, 0.10
HSL	169°, 57%, 76%
HSV	169°, 30%, 90%
XYZ	55.2361, 68.6254, 75.9795
YIQ	207.3000, -36.6760, -18.1480

Conversions

Conversions Part 2

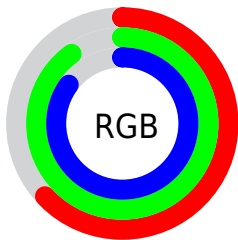
Format	Color
RYB	161, 198, 229
Decimal	10610137
CIELab	86.32, -23.78, -0.98
CIElCh	86, 23.796, 182.371
Yxy	68.6254, 0.2764, 0.3434
Android (android.graphics.Color)	4288800217 (0xFFA1E5D9)
YUV	207.3000, 4.7821, -40.6051
Hunter-Lab	82.8404, -25.9512, 3.6088

Details

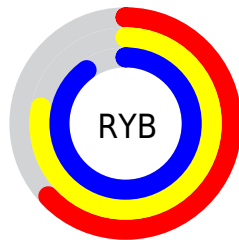
The Yxy color **68.6254, 0.2764, 0.3434** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1541, 0.3672, 0.3153**, and the grayscale version is **62.5836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **35.6216, 0.2679, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **66.2556, 0.2661, 0.3490**, and if you desaturate by 10%, it is **71.4416, 0.2878, 0.3381**.

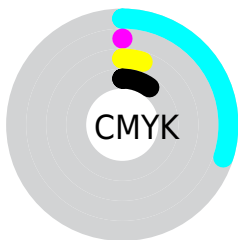
Distribution



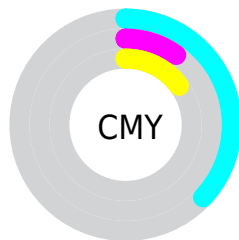
- Red (63%)
- Green (90%)
- Blue (85%)



- Red (63%)
- Yellow (78%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6254, 0.2764, 0.3434 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 68.6254, 0.2764, 0.3434 by changing the saturation by 10% instead.

 68.6254, 0.2764,
0.3434


 68.6254, 0.2764,
0.3434


455.7087, 0.2933,
0.3367

 50.4067, 0.2725,
0.3449


 117.2464, 0.2823,
0.3411

 35.7367, 0.2677,
0.3468


 148.4174, 0.2846,
0.3402

 24.2309, 0.2616,
0.3492


184.6747, 0.2865,
0.3394

 15.5050, 0.2535,
0.3523

226.4027, 0.2882,
0.3387

 9.1745, 0.2426,
0.3565

273.9856, 0.2897,
0.3382

 4.8552, 0.2266,
0.3625

327.8080, 0.2911,

 2.1626, 0.2016,

0.3376

388.2542, 0.2923,
0.3372

0.3718

0.6995, 0.0523,
0.4333

0.0000, 0.0000,
0.0000

68.6254, 0.2764,
0.3434

68.6254, 0.2764,
0.3434

66.2556, 0.2661,
0.3490

71.4416, 0.2878,
0.3381

64.3001, 0.2573,
0.3550


74.7178, 0.3002,
0.3333


62.7354, 0.2502,
0.3612

78.4775, 0.3131,
0.3289


61.5324, 0.2450,
0.3675


82.7399, 0.3264,
0.3249


 60.6580, 0.2418,
0.3739


 83.4317, 0.3254,
0.3210


 60.0726, 0.2405,
0.3803


 83.6709, 0.3227,
0.3170

 59.7104, 0.2408,
0.3866

 83.9156, 0.3201,
0.3131

 59.7011, 0.2408,
0.3868

 84.1656, 0.3175,
0.3092

 84.4210, 0.3149,
0.3054

Harmonies

Analogous

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



68.6254, 0.3019, 0.3680



68.6254, 0.2764, 0.3434



68.6254, 0.2608, 0.3156

Triad

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



68.6254, 0.2764, 0.3434



68.6254, 0.2924, 0.2825



68.6254, 0.3700, 0.3614

Complementary

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



68.6254, 0.2764, 0.3434



45.1541, 0.3672, 0.3153

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.



68.6254, 0.3675, 0.3383



68.6254, 0.2764, 0.3434



68.6254, 0.3216, 0.2942

Square

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



68.6254, 0.2764, 0.3434



68.6254, 0.2697, 0.2819



68.6254, 0.3495, 0.3141



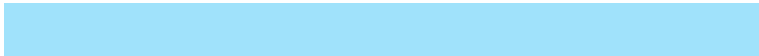
68.6254, 0.3564, 0.3774

Rectangle

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



68.6254, 0.2764, 0.3434



68.6254, 0.2577, 0.2998



68.6254, 0.3495, 0.3141



68.6254, 0.3710, 0.3542

Sweetspot

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



68.6282, 0.2764, 0.3434



95.6460, 0.3010, 0.3330



67.5515, 0.3170, 0.4135



20.3318, 0.2992, 0.3337



0.0000, 0.0000, 0.0000



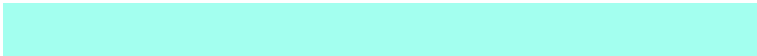
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6282, 0.2764, 0.3434



85.5476, 0.2696, 0.3470



58.0820, 0.2670, 0.3025



16.2904, 0.3005, 0.3332



34.1465, 0.2405, 0.3858



2.5348, 0.2379, 0.3766

Inverse Universe

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



45.1541, 0.3672, 0.3153



50.7965, 0.3844, 0.3122



52.8987, 0.3719, 0.3539



14.4093, 0.3265, 0.3249



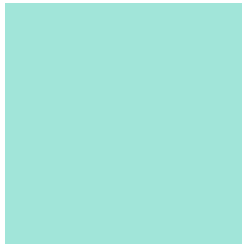
9.6259, 0.6129, 0.3150



0.7235, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 68.6254, 0.2764, 0.3434 looks on a white background.

Color Contrast Check

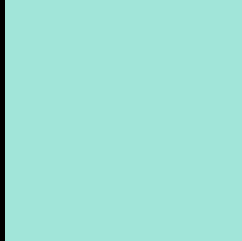
Large Text (above 18pt) WCAG AA × Fail

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 68.6254, 0.2764, 0.3434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

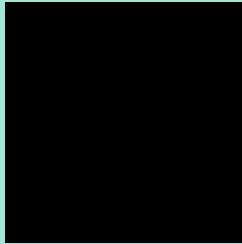
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

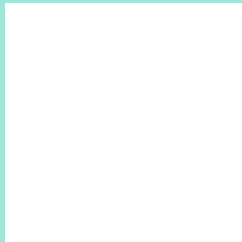
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6254, 0.2764, 0.3434

Background



This preview shows how black text looks on a background with the Yxy color 68.6254, 0.2764, 0.3434.

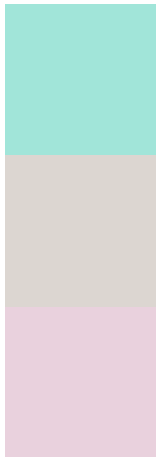


This preview shows how white text looks on a background with the Yxy color 68.6254, 0.2764, 0.3434.

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

68.6254, 0.2764, 0.3434

Protanopia

67.9122, 0.3206, 0.3346

Deuteranopia

68.1450, 0.3223, 0.3162



Tritanopia

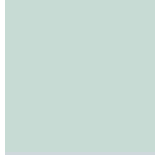
68.5370, 0.2654, 0.3080

Trichromacy



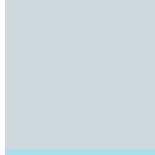
Original Color

68.6254, 0.2764, 0.3434



Protanomaly

67.5586, 0.3032, 0.3370



Deuteranomaly

67.5444, 0.3036, 0.3245



Tritanomaly

68.3326, 0.2691, 0.3195

Monochromacy



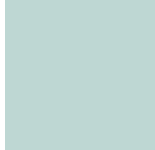
Original Color

68.6254, 0.2764, 0.3434



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.2512, 0.2975, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6254, 0.2764, 0.3434 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(161, 229, 217)` looks like.

```
.text, #text, p{  
    color:rgb(161, 229, 217)  
}
```

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(161, 229, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 229, 217) }
```

Border

The CSS property to change the border of an element to Yxy 68.6254, 0.2764, 0.3434 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(161, 229, 217) }
```

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

```
.border{ border-color:rgb(161, 229, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 229, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 229, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 229, 217); box-shadow:4px 4px 4px 4px rgb(161, 229, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6254, 0.2764, 0.3434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 229, 217) }
```

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

```
.background{ background-color: rgb(161,  
229, 217) }
```

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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