

Converting Colors

$Yxy(67.8608, 0.2755, 0.3364)$

Have a look what the booklet for
Yxy(67.8608, 0.2755, 0.3364)
contains.

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Color

Yxy(67.9452, 0.2752, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	A3E3DD
RGB	163, 227, 221
RGB Percent	64%, 89%, 87%
CMY	0.3605, 0.1098, 0.1334
CMYK	0.28, 0.00, 0.03, 0.11
HSL	174°, 53%, 76%
HSV	174°, 28%, 89%
XYZ	55.6338, 67.9452, 78.5787
YIQ	207.1800, -36.2180, -15.4340

Conversions

Conversions Part 2

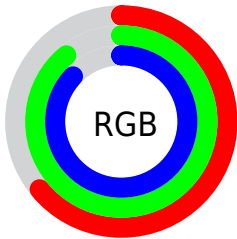
Format	Color
RYB	163, 197, 227
Decimal	10740701
CIELab	85.98, -21.31, -3.57
CIElCh	86, 21.611, 189.507
Yxy	67.9452, 0.2752, 0.3361
Android (android.graphics.Color)	4288930781 (0xFFA3E3DD)
YUV	207.1800, 6.8133, -38.7459
Hunter-Lab	82.4289, -23.7754, 1.1796

Details

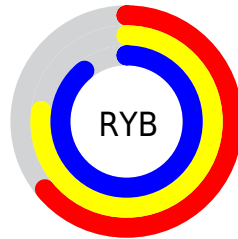
The Yxy color **67.9452, 0.2752, 0.3361** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4180, 0.3685, 0.3222**, and the grayscale version is **62.5019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **35.1302, 0.2661, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **65.6487, 0.2639, 0.3390**, and if you desaturate by 10%, it is **70.6787, 0.2877, 0.3334**.

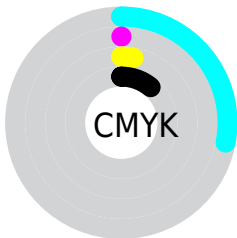
Distribution



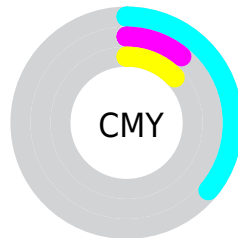
- Red (64%)
- Green (89%)
- Blue (87%)



- Red (64%)
- Yellow (77%)
- Blue (89%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (36%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9452, 0.2752, 0.3361 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 67.9452, 0.2752, 0.3361 by changing the saturation by 10% instead.

 67.9452, 0.2752,
0.3361


 67.9452, 0.2752,
0.3361


453.3018, 0.2926,
0.3330

 49.8532, 0.2712,
0.3368


 116.2737, 0.2813,
0.3350

 35.2967, 0.2662,
0.3376

 147.2790, 0.2836,
0.3346

 23.8915, 0.2600,
0.3386


183.3575, 0.2856,
0.3343

 15.2532, 0.2517,
0.3399

224.8936, 0.2874,
0.3339

 8.9973, 0.2405,
0.3415

272.2717, 0.2890,
0.3336

 4.7394, 0.2242,
0.3436

325.8762, 0.2903,

 2.0952, 0.1988,

0.3334

386.0914, 0.2915,
0.3332

0.3462

0.6619, 0.0625,
0.3802

0.0000, 0.0000,
0.0000

67.9452, 0.2752,
0.3361

67.9452, 0.2752,
0.3361

65.6487, 0.2639,
0.3390

70.6787, 0.2877,
0.3334

63.7580, 0.2542,
0.3420


73.8624, 0.3012,
0.3309

62.2506, 0.2462,
0.3452


77.5187, 0.3154,
0.3286


61.0987, 0.2401,
0.3484


81.6664, 0.3299,
0.3265

 60.2705, 0.2359,
0.3517


 82.0002, 0.3293,
0.3244

 59.7286, 0.2336,
0.3549


 82.1219, 0.3278,
0.3223

 59.4198, 0.2330,
0.3581

 82.2450, 0.3264,
0.3202

 59.3738, 0.2330,
0.3587

 82.3697, 0.3250,
0.3181

 82.4959, 0.3236,
0.3161

Harmonies

Analogous

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



67.9452, 0.2969, 0.3598



67.9452, 0.2752, 0.3361



67.9452, 0.2636, 0.3114

Triad

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



67.9452, 0.2752, 0.3361



67.9452, 0.3003, 0.2881



67.9452, 0.3631, 0.3630

Complementary

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



67.9452, 0.2752, 0.3361



45.4180, 0.3685, 0.3222

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.



67.9452, 0.3645, 0.3430



67.9452, 0.2752, 0.3361



67.9452, 0.3273, 0.3009

Square

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



67.9452, 0.2752, 0.3361



67.9452, 0.2776, 0.2850



67.9452, 0.3512, 0.3206



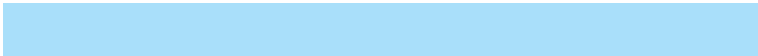
67.9452, 0.3478, 0.3750

Rectangle

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



67.9452, 0.2752, 0.3361



67.9452, 0.2627, 0.2982



67.9452, 0.3512, 0.3206



67.9452, 0.3653, 0.3569

Sweetspot

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



67.9479, 0.2752, 0.3361



96.2113, 0.3014, 0.3309



66.0675, 0.3132, 0.4094



20.4503, 0.2993, 0.3312



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.



67.9479, 0.2752, 0.3361



86.5842, 0.2682, 0.3378



55.3117, 0.2687, 0.2974



16.3118, 0.2994, 0.3312



34.6391, 0.2328, 0.3582



2.5666, 0.2315, 0.3535

Inverse Universe

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



45.4180, 0.3685, 0.3222



52.5284, 0.3857, 0.3206



55.2177, 0.3663, 0.3586



14.3899, 0.3278, 0.3268



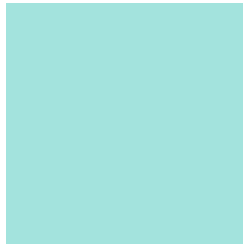
9.5640, 0.6291, 0.3239



0.7143, 0.6029, 0.3095

Previews

White Background



This preview shows how the Yxy color 67.9452, 0.2752, 0.3361 looks on a white background.

Color Contrast Check

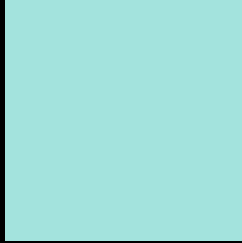
Large Text (above 18pt) WCAG AA × Fail

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 67.9452, 0.2752, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

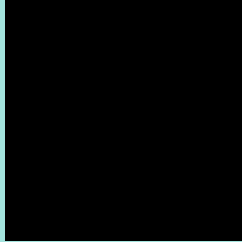
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

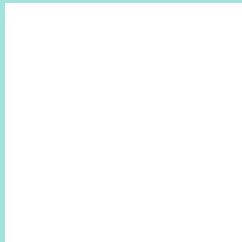
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9452, 0.2752, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 67.9452, 0.2752, 0.3361.

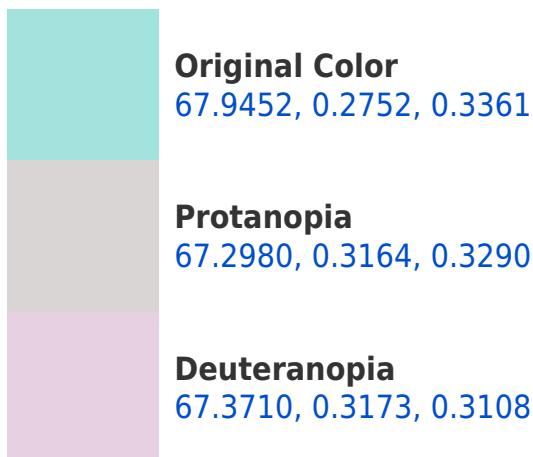


This preview shows how white text looks on a background with the Yxy color 67.9452, 0.2752, 0.3361.

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

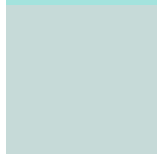
68.0469, 0.2663, 0.3080

Trichromacy



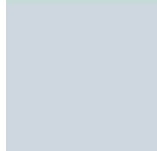
Original Color

67.9452, 0.2752, 0.3361



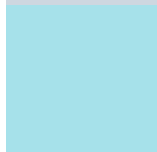
Protanomaly

67.1064, 0.2999, 0.3313



Deuteranomaly

67.1045, 0.3003, 0.3189



Tritanomaly

67.8979, 0.2696, 0.3183

Monochromacy



Original Color

67.9452, 0.2752, 0.3361



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

63.9230, 0.2976, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9452, 0.2752, 0.3361 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(163, 227, 221)` looks like.

```
.text, #text, p{  
    color:rgb(163, 227, 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(163, 227, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 227, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.9452, 0.2752, 0.3361 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(163, 227, 221) }
```

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

```
.border{ border-color:rgb(163, 227, 221) }
```

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

Here you see how a box with a 4 pixel rgb(163, 227, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 227, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 227, 221);  
box-shadow:4px 4px 4px 4px rgb(163, 227,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9452, 0.2752, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 227, 221) }
```

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

```
.background{ background-color: rgb(163,  
227, 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](#).

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