

Converting Colors

$Yxy(68.6419, 0.2754, 0.3235)$

Have a look what the booklet for
Yxy(68.6419, 0.2754, 0.3235)
contains.

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Color

Yxy(68.3343, 0.2752, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	ACE1E6
RGB	172, 225, 230
RGB Percent	67%, 88%, 90%
CMY	0.3256, 0.1176, 0.0979
CMYK	0.25, 0.02, 0.00, 0.10
HSL	185°, 54%, 79%
HSV	185°, 25%, 90%
XYZ	58.2217, 68.3343, 85.0053
YIQ	209.7230, -33.1930, -9.6810

Conversions

Conversions Part 2

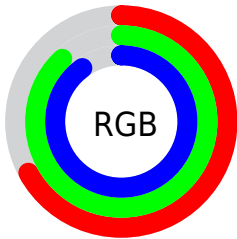
Format	Color
R_{YB}	172, 200, 230
Decimal	11330022
CIE Lab	86.17, -15.76, -8.00
CIE LCh	86, 17.677, 206.900
Yxy	68.3343, 0.2752, 0.3230
Android (android.graphics.Color)	4289520102 (0xFFACE1E6)
YUV	209.7230, 9.9966, -33.0831
Hunter-Lab	82.6646, -18.9432, -3.1037

Details

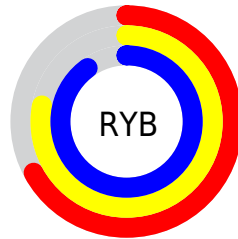
The Yxy color **68.3343, 0.2752, 0.3230** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.2540, 0.3647, 0.3349**, and the grayscale version is **64.2078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **35.6961, 0.2661, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **64.8855, 0.2620, 0.3203**, and if you desaturate by 10%, it is **72.2517, 0.2895, 0.3255**.

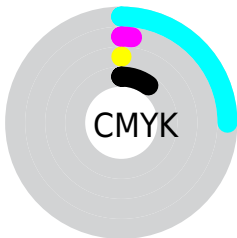
Distribution



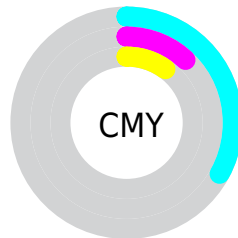
- Red (67%)
- Green (88%)
- Blue (90%)



- Red (67%)
- Yellow (78%)
- Blue (90%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)




- Cyan (33%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3343, 0.2752, 0.3230 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 68.3343, 0.2752, 0.3230 by changing the saturation by 10% instead.

 68.3343, 0.2752,
0.3230

 68.3343, 0.2752,
0.3230


454.6795, 0.2926,
0.3261

 50.1698, 0.2712,
0.3222


 116.8303, 0.2812,
0.3241

 35.5483, 0.2663,
0.3212


147.9305, 0.2836,
0.3245

 24.0855, 0.2602,
0.3199


184.1113, 0.2856,
0.3249

 15.3971, 0.2521,
0.3181

225.7573, 0.2873,
0.3252

 9.0985, 0.2411,
0.3154

273.2526, 0.2889,
0.3255

 4.8055, 0.2253,
0.3112

326.9819, 0.2902,

 2.1336, 0.2010,

0.3257

387.3294, 0.2915,
0.3259

0.3037

0.6834, 0.1155,
0.2981

0.0000, 0.0000,
0.0000

68.3343, 0.2752,
0.3230

68.3343, 0.2752,
0.3230

64.8855, 0.2620,
0.3203

72.2517, 0.2895,
0.3255

61.8737, 0.2502,
0.3175

76.6508, 0.3046,
0.3279

59.2763, 0.2400,
0.3146

81.5548, 0.3202,
0.3300

57.0654, 0.2316,
0.3116

85.2361, 0.3297,
0.3320

■ 55.2094, 0.2252,
0.3086

■ 86.3699, 0.3295,
0.3339

■ 53.6716, 0.2207,
0.3056

■ 87.5163, 0.3293,
0.3359

■ 52.4070, 0.2179,
0.3027

■ 88.6756, 0.3291,
0.3378

■ 51.8657, 0.2170,
0.3013

■ 89.8477, 0.3288,
0.3397

■ 91.0327, 0.3286,
0.3417

Harmonies

Analogous

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



68.3343, 0.2887, 0.3434



68.3343, 0.2752, 0.3230



68.3343, 0.2714, 0.3052

Triad

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



68.3343, 0.2752, 0.3230



68.3343, 0.3154, 0.3005



68.3343, 0.3479, 0.3636

Complementary

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



68.3343, 0.2752, 0.3230



51.2540, 0.3647, 0.3349

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.



68.3343, 0.3558, 0.3508



68.3343, 0.2752, 0.3230



68.3343, 0.3367, 0.3149

Square

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



68.3343, 0.2752, 0.3230



68.3343, 0.2941, 0.2931



68.3343, 0.3517, 0.3330



68.3343, 0.3306, 0.3674

Rectangle

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



68.3343, 0.2752, 0.3230



68.3343, 0.2748, 0.2972



68.3343, 0.3517, 0.3330



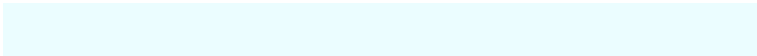
68.3343, 0.3518, 0.3602

Sweetspot

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



68.3371, 0.2752, 0.3230



95.2125, 0.3003, 0.3272



68.5466, 0.3065, 0.3946



20.1965, 0.2980, 0.3269



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.



68.3371, 0.2752, 0.3230



84.1113, 0.2685, 0.3217



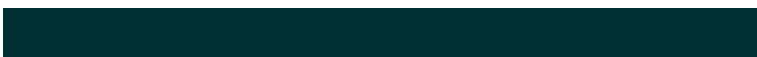
54.0405, 0.2721, 0.2878



16.1117, 0.2982, 0.3269



29.4457, 0.2172, 0.3017



2.2390, 0.2183, 0.3060

Inverse Universe

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



51.7637, 0.3197, 0.2714



60.1009, 0.3213, 0.2600



63.8738, 0.3569, 0.3669



14.5926, 0.3151, 0.3078



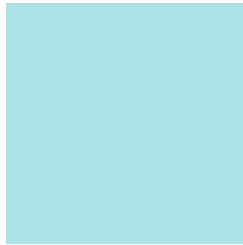
12.1703, 0.3439, 0.1668



0.9057, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 68.3343, 0.2752, 0.3230 looks on a white background.

Color Contrast Check

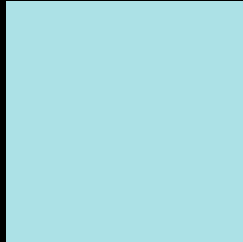
Large Text (above 18pt) WCAG AA × Fail

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 68.3343, 0.2752, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

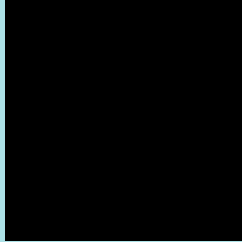
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3343, 0.2752, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 68.3343, 0.2752, 0.3230.

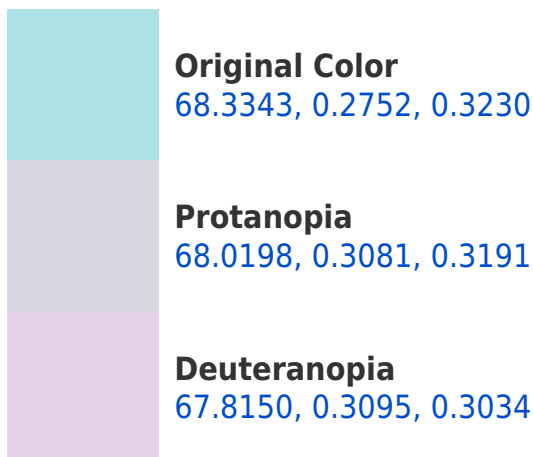


This preview shows how white text looks on a background with the Yxy color 68.3343, 0.2752, 0.3230.

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

68.1249, 0.2701, 0.3082

Trichromacy



Original Color

68.3343, 0.2752, 0.3230

Protanomaly

67.9132, 0.2950, 0.3199

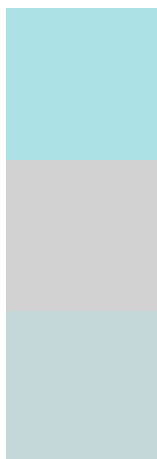
Deuteranomaly

67.6925, 0.2959, 0.3101

Tritanomaly

68.3100, 0.2719, 0.3138

Monochromacy



Original Color

68.3343, 0.2752, 0.3230

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3464, 0.2979, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3343, 0.2752, 0.3230 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(172, 225, 230)` looks like.

```
.text, #text, p{  
    color:rgb(172, 225, 230)  
}
```

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(172, 225, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 225, 230) }
```

Border

The CSS property to change the border of an element to Yxy 68.3343, 0.2752, 0.3230 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(172, 225, 230) }
```

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

```
.border{ border-color:rgb(172, 225, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 225, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 225, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 225, 230);  
box-shadow:4px 4px 4px 4px rgb(172, 225,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3343, 0.2752, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 225, 230) }
```

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

```
.background{ background-color: rgb(172,  
225, 230) }
```

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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