

Converting Colors

$Yxy(70.2242, 0.2934, 0.3394)$

Have a look what the booklet for
Yxy(70.2242, 0.2934, 0.3394)
contains.

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Color

Yxy(70.2213, 0.2934, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	BDE2D9
RGB	189, 226, 217
RGB Percent	74%, 89%, 85%
CMY	0.2588, 0.1137, 0.1492
CMYK	0.16, 0.00, 0.04, 0.11
HSL	165°, 39%, 81%
HSV	165°, 16%, 89%
XYZ	60.7040, 70.2213, 75.9731
YIQ	213.9110, -19.1630, -10.6430

Conversions

Conversions Part 2

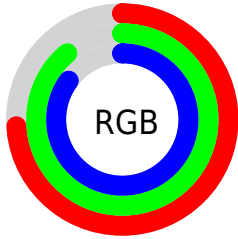
Format	Color
R _{YB}	189, 210, 226
Decimal	12444377
CIE Lab	87.11, -13.83, 0.38
CIE LCh	87, 13.836, 178.437
Yxy	70.2213, 0.2934, 0.3394
Android (android.graphics.Color)	4290634457 (0xFFBDE2D9)
YUV	213.9110, 1.5229, -21.8469
Hunter-Lab	83.7982, -17.3401, 4.9052

Details

The Yxy color **70.2213, 0.2934, 0.3394** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6482, 0.3364, 0.3189**, and the grayscale version is **67.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **36.8854, 0.2887, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **67.2728, 0.2824, 0.3466**, and if you desaturate by 10%, it is **73.6357, 0.3051, 0.3328**.

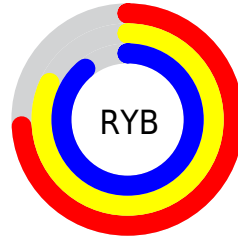
Distribution



Red (74%)

Green (89%)

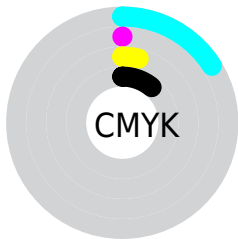
Blue (85%)



Red (74%)

Yellow (82%)

Blue (89%)

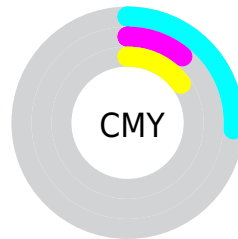


Cyan (16%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2213, 0.2934, 0.3394 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 70.2213, 0.2934, 0.3394 by changing the saturation by 10% instead.


 70.2213, 0.2934,
0.3394

 70.2213, 0.2934,
0.3394


461.3266, 0.3024,
0.3346

 51.7070, 0.2913,
0.3405


 119.5243, 0.2965,
0.3377

 36.7716, 0.2888,
0.3419


151.0817, 0.2977,
0.3371

 25.0307, 0.2855,
0.3437


187.7557, 0.2988,
0.3365

 16.0999, 0.2812,
0.3460

229.9305, 0.2997,
0.3360

 9.5949, 0.2753,
0.3492

277.9906, 0.3005,
0.3356

 5.1312, 0.2667,
0.3539

332.3204, 0.3012,

 2.3244, 0.2530,

0.3352

0.3614

393.3043, 0.3018,
0.3349

0.7866, 0.2023,
0.3881

0.0000, 0.0000,
0.0000

70.2213, 0.2934,
0.3394

70.2213, 0.2934,
0.3394

67.2728, 0.2824,
0.3466

73.6357, 0.3051,
0.3328

64.7604, 0.2725,
0.3543


77.5266, 0.3171,
0.3269

62.6646, 0.2638,
0.3626

81.5706, 0.3281,
0.3216


60.9609, 0.2566,
0.3713


81.8923, 0.3244,
0.3162

 59.6220, 0.2513,
0.3803

 82.2241, 0.3208,
0.3108


 58.6172, 0.2479,
0.3894

 82.5659, 0.3172,
0.3055

 57.9107, 0.2466,
0.3986

 82.8766, 0.3140,
0.3009

 57.4574, 0.2470,
0.4077

 57.3275, 0.2475,
0.4109

Harmonies

Analogous

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



70.2213, 0.3090, 0.3524



70.2213, 0.2934, 0.3394



70.2213, 0.2831, 0.3237

Triad

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



70.2213, 0.2934, 0.3394



70.2213, 0.2991, 0.3011



70.2213, 0.3459, 0.3467

Complementary

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



70.2213, 0.2934, 0.3394



56.6482, 0.3364, 0.3189

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.



70.2213, 0.3432, 0.3330



70.2213, 0.2934, 0.3394



70.2213, 0.3158, 0.3072

Square

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



70.2213, 0.2934, 0.3394



70.2213, 0.2863, 0.3020



70.2213, 0.3321, 0.3187



70.2213, 0.3395, 0.3563

Rectangle

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



70.2213, 0.2934, 0.3394



70.2213, 0.2805, 0.3142



70.2213, 0.3321, 0.3187



70.2213, 0.3461, 0.3425

Sweetspot

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



70.2242, 0.2934, 0.3394



97.4624, 0.3067, 0.3320



70.1119, 0.3171, 0.3722



20.7874, 0.3058, 0.3325



0.0000, 0.0000, 0.0000



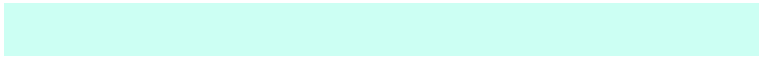
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2242, 0.2934, 0.3394



90.8002, 0.2892, 0.3420



65.8119, 0.2876, 0.3182



15.5121, 0.3014, 0.3348



32.7227, 0.2471, 0.4095



2.2820, 0.2432, 0.3955

Inverse Universe

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



56.6482, 0.3364, 0.3189



69.4279, 0.3431, 0.3164



60.3505, 0.3421, 0.3395



13.7552, 0.3254, 0.3233



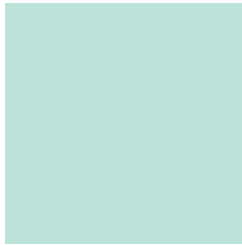
9.3988, 0.5939, 0.3045



0.6655, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 70.2213, 0.2934, 0.3394 looks on a white background.

Color Contrast Check

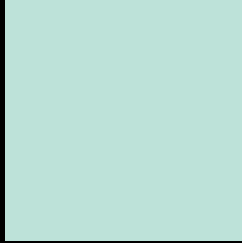
Large Text (above 18pt) WCAG AA × Fail

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 70.2213, 0.2934, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

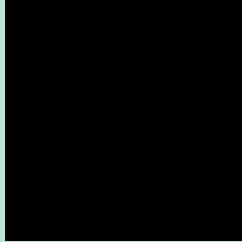
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

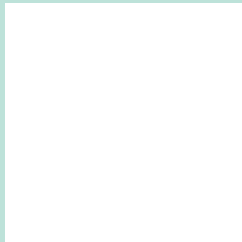
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2213, 0.2934, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 70.2213, 0.2934, 0.3394.

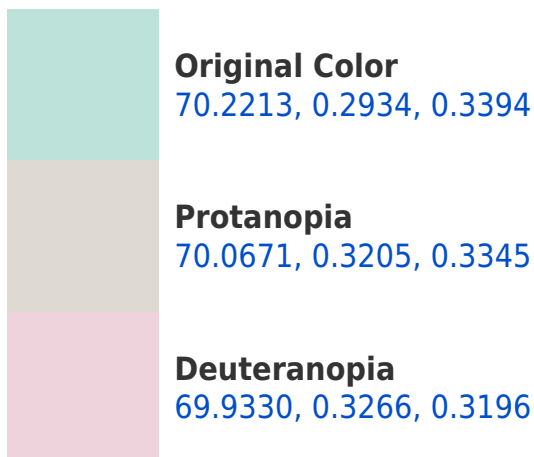


This preview shows how white text looks on a background with the Yxy color 70.2213, 0.2934, 0.3394.

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

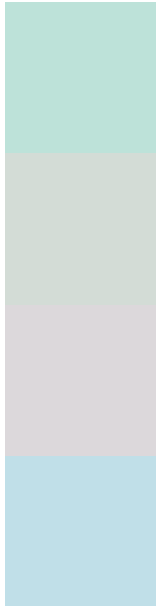




Tritanopia

69.8713, 0.2821, 0.3088

Trichromacy



Original Color

70.2213, 0.2934, 0.3394

Protanomaly

69.8903, 0.3103, 0.3357

Deuteranomaly

69.4419, 0.3136, 0.3257

Tritanomaly

69.8080, 0.2862, 0.3187

Monochromacy



Original Color

70.2213, 0.2934, 0.3394

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.0282, 0.3054, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2213, 0.2934, 0.3394 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(189, 226, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 226, 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(189, 226, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 226, 217) }
```

Border

The CSS property to change the border of an element to Yxy 70.2213, 0.2934, 0.3394 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(189, 226, 217) }
```

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

```
.border{ border-color:rgb(189, 226, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 226, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 226, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 226, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 226,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2213, 0.2934, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 226, 217) }
```

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

```
.background{ background-color: rgb(189,  
226, 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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