

Converting Colors

$Yxy(68.7053, 0.2994, 0.3322)$

Have a look what the booklet for
Yxy(68.7053, 0.2994, 0.3322)
contains.

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Color

Yxy(68.9170, 0.2993, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	C7DDDA
RGB	199, 221, 218
RGB Percent	78%, 87%, 85%
CMY	0.2198, 0.1333, 0.1451
CMYK	0.10, 0.00, 0.01, 0.13
HSL	172°, 25%, 82%
HSV	172°, 10%, 87%
XYZ	62.0543, 68.9170, 76.3602
YIQ	214.0800, -12.1490, -5.5970

Conversions

Conversions Part 2

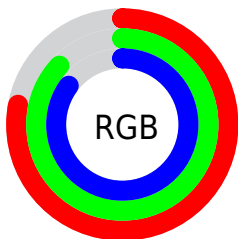
Format	Color
R_{YB}	199, 211, 221
Decimal	13098458
CIE Lab	86.46, -7.89, -1.03
CIE LCh	86, 7.959, 187.442
Yxy	68.9170, 0.2993, 0.3324
Android (android.graphics.Color)	4291288538 (0xFFC7DDDA)
YUV	214.0800, 1.9326, -13.2252
Hunter-Lab	83.0163, -11.8504, 3.5751

Details

The Yxy color **68.9170, 0.2993, 0.3324** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.4621, 0.3280, 0.3256**, and the grayscale version is **67.2911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9365, 0.2962, 0.3335** is the 20% darker color. If you saturate the color by 10%, you get **65.9571, 0.2865, 0.3361**, and if you desaturate by 10%, it is **72.3247, 0.3127, 0.3290**.

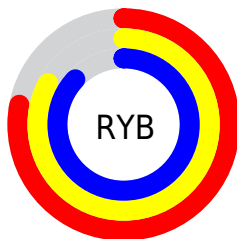
Distribution



Red (78%)

Green (87%)

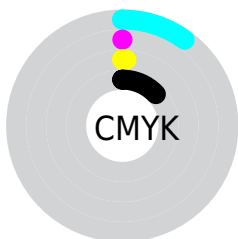
Blue (85%)



Red (78%)

Yellow (83%)

Blue (87%)

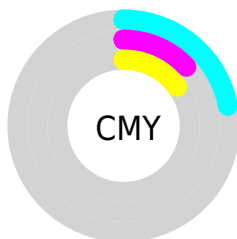


Cyan (10%)

Magenta (0%)

Yellow (1%)

Black (13%)



Cyan (22%)

Magenta (13%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9170, 0.2993, 0.3324 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 68.9170, 0.2993, 0.3324 by changing the saturation by 10% instead.

■ 68.9170, 0.2993,
0.3324

■ 68.9170, 0.2993,
0.3324

456.7382, 0.3056,
0.3308

■ 50.6441, 0.2979,
0.3328

117.6630, 0.3015,
0.3319

■ 35.9255, 0.2961,
0.3332

148.9049, 0.3023,
0.3316

■ 24.3766, 0.2938,
0.3338

185.2387, 0.3031,
0.3315

■ 15.6132, 0.2908,
0.3345

227.0486, 0.3037,
0.3313

■ 9.2509, 0.2866,
0.3355

274.7191, 0.3042,
0.3312

■ 4.9052, 0.2806,
0.3369

328.6346, 0.3047,

■ 2.1917, 0.2708,

0.3310

0.3391

389.1795, 0.3052,
0.3309

0.7155, 0.2373,
0.3483

0.0000, 0.0000,
0.0000

68.9170, 0.2993,
0.3324

68.9170, 0.2993,
0.3324

65.9571, 0.2865,
0.3361

72.3247, 0.3127,
0.3290

63.4173, 0.2747,
0.3402


76.1891, 0.3266,
0.3259

61.2803, 0.2641,
0.3445

78.5324, 0.3331,
0.3230


59.5243, 0.2550,
0.3490

78.7009, 0.3310,
0.3200


 58.1252, 0.2476,
0.3537


 78.8724, 0.3289,
0.3170

 57.0563, 0.2422,
0.3585

 79.0468, 0.3268,
0.3141

 56.2871, 0.2387,
0.3634

 79.2241, 0.3248,
0.3111

 55.7814, 0.2370,
0.3682

 79.4045, 0.3227,
0.3082

 55.4752, 0.2369,
0.3730

 79.5878, 0.3207,
0.3053

Harmonies

Analogous

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



68.9170, 0.3077, 0.3405



68.9170, 0.2993, 0.3324



68.9170, 0.2945, 0.3235

Triad

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



68.9170, 0.2993, 0.3324



68.9170, 0.3077, 0.3133



68.9170, 0.3313, 0.3414

Complementary

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



68.9170, 0.2993, 0.3324



60.4621, 0.3280, 0.3256

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.



68.9170, 0.3313, 0.3340



68.9170, 0.2993, 0.3324



68.9170, 0.3176, 0.3180

Square

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



68.9170, 0.2993, 0.3324



68.9170, 0.2992, 0.3126



68.9170, 0.3263, 0.3255



68.9170, 0.3262, 0.3456

Rectangle

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



68.9170, 0.2993, 0.3324



68.9170, 0.2939, 0.3184



68.9170, 0.3263, 0.3255



68.9170, 0.3319, 0.3392

Sweetspot

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



68.9199, 0.2993, 0.3324



98.5106, 0.3086, 0.3300



68.4368, 0.3139, 0.3545



21.0022, 0.3075, 0.3303



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.



68.9199, 0.2993, 0.3324



94.3846, 0.2965, 0.3332



65.0937, 0.2973, 0.3201



14.7973, 0.3000, 0.3322



32.2326, 0.2367, 0.3722



2.0968, 0.2346, 0.3644

Inverse Universe

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



60.4621, 0.3280, 0.3256



80.4206, 0.3316, 0.3249



63.9643, 0.3293, 0.3377



13.0804, 0.3270, 0.3258



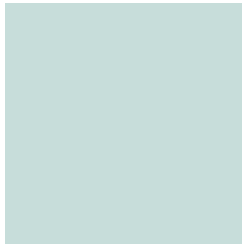
8.9947, 0.6213, 0.3196



0.5923, 0.5834, 0.2987

Previews

White Background



This preview shows how the Yxy color 68.9170, 0.2993, 0.3324 looks on a white background.

Color Contrast Check

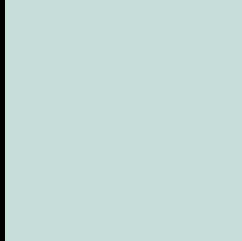
Large Text (above 18pt) WCAG AA × Fail

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 68.9170, 0.2993, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

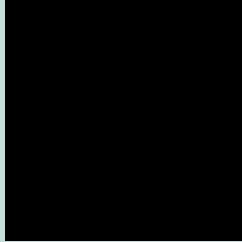
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

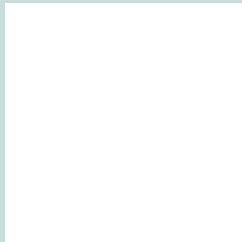
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9170, 0.2993, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 68.9170, 0.2993, 0.3324.



This preview shows how white text looks on a background with the Yxy color 68.9170, 0.2993, 0.3324.

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

68.9170, 0.2993, 0.3324

Protanopia

68.7228, 0.3164, 0.3290

Deuteranopia

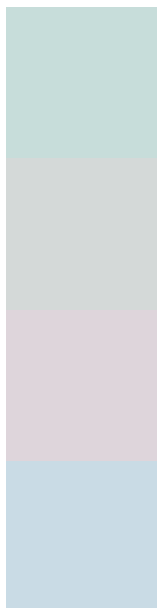
68.4304, 0.3245, 0.3173



Tritanopia

68.7555, 0.2901, 0.3089

Trichromacy



Original Color

68.9170, 0.2993, 0.3324

Protanomaly

68.5806, 0.3098, 0.3301

Deuteranomaly

68.2326, 0.3152, 0.3224

Tritanomaly

68.7377, 0.2938, 0.3177

Monochromacy



Original Color

68.9170, 0.2993, 0.3324

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.0873, 0.3083, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9170, 0.2993, 0.3324 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(199, 221, 218)` looks like.

```
.text, #text, p{  
    color:rgb(199, 221, 218)  
}
```

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(199, 221, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 221, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.9170, 0.2993, 0.3324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

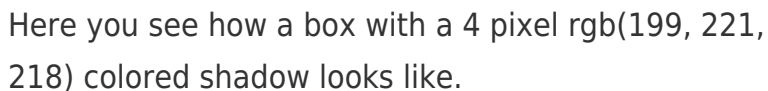
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 221, 218) }
```

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

```
.border{ border-color:rgb(199, 221, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(199, 221, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 221, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 221, 218);  
box-shadow:4px 4px 4px 4px rgb(199, 221,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9170, 0.2993, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 221, 218) }
```

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

```
.background{ background-color: rgb(199,  
221, 218) }
```

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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