

Converting Colors

$Yxy(76.3034, 0.2991, 0.3562)$

Have a look what the booklet for
Yxy(76.3034, 0.2991, 0.3562)
contains.

Yxy(76.0818, 0.2991, 0.3563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.0818, 0.2991, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	C1ECD4
RGB	193, 236, 212
RGB Percent	76%, 93%, 83%
CMY	0.2431, 0.0745, 0.1688
CMYK	0.18, 0.00, 0.10, 0.07
HSL	146°, 53%, 84%
HSV	146°, 18%, 93%
XYZ	63.8677, 76.0818, 73.5835
YIQ	220.4070, -17.9240, -16.5800

Conversions

Conversions Part 2

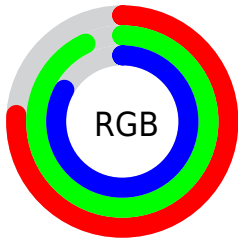
Format	Color
RYB	193, 223, 236
Decimal	12709076
CIELab	89.90, -18.51, 7.07
CIElCh	90, 19.815, 159.094
Yxy	76.0818, 0.2991, 0.3563
Android (android.graphics.Color)	4290899156 (0xFFC1ECD4)
YUV	220.4070, -4.1447, -24.0359
Hunter-Lab	87.2249, -21.9425, 11.0400

Details

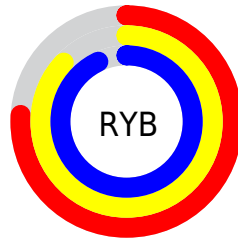
The Yxy color **76.0818, 0.2991, 0.3563** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.9864, 0.3291, 0.3032**, and the grayscale version is **71.9085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **40.5658, 0.2962, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **72.5880, 0.2921, 0.3737**, and if you desaturate by 10%, it is **80.1313, 0.3065, 0.3406**.

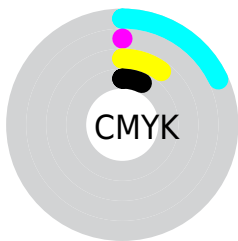
Distribution



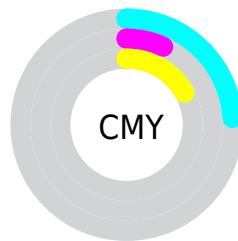
- Red (76%)
- Green (93%)
- Blue (83%)



- Red (76%)
- Yellow (87%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)





- Cyan (24%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0818, 0.2991, 0.3563 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 76.0818, 0.2991, 0.3563 by changing the saturation by 10% instead.

 76.0818, 0.2991,
0.3563

 76.0818, 0.2991,
0.3563

481.6277, 0.3055,
0.3435

 56.4996, 0.2976,
0.3593

 127.8425, 0.3013,
0.3518

 40.6036, 0.2958,
0.3630


160.7898, 0.3022,
0.3501

 28.0095, 0.2934,
0.3677


198.9610, 0.3029,
0.3486

 18.3328, 0.2903,
0.3739

242.7403, 0.3036,
0.3473

 11.1892, 0.2861,
0.3825

292.5122, 0.3041,
0.3462

 6.1942, 0.2798,
0.3952

348.6612, 0.3046,

 2.9635, 0.2696,

0.3452

411.5715, 0.3051,
0.3443

0.4158

1.1127, 0.2455,
0.4635

0.0000, 0.0000,
0.0000

76.0818, 0.2991,
0.3563

76.0818, 0.2991,
0.3563

72.5880, 0.2921,
0.3737

80.1313, 0.3065,
0.3406

69.6156, 0.2857,
0.3928

84.7501, 0.3141,
0.3266

67.1412, 0.2803,
0.4133

88.2551, 0.3157,
0.3140

65.1357, 0.2762,
0.4348

88.4756, 0.3136,
0.3107

■ 63.5668, 0.2738,
0.4569

■ 62.3980, 0.2733,
0.4789

■ 61.5864, 0.2747,
0.5000

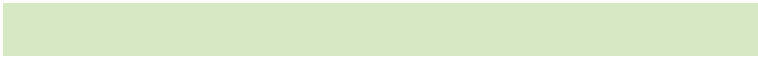
■ 61.0722, 0.2779,
0.5195

■ 60.9967, 0.2786,
0.5228

Harmonies

Analogous

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



76.0818, 0.3226, 0.3689



76.0818, 0.2991, 0.3563



76.0818, 0.2797, 0.3357

Triad

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



76.0818, 0.2991, 0.3563



76.0818, 0.2814, 0.2900



76.0818, 0.3583, 0.3413

Complementary

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



76.0818, 0.2991, 0.3563



60.9864, 0.3291, 0.3032

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.



76.0818, 0.3464, 0.3214



76.0818, 0.2991, 0.3563



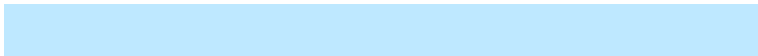
76.0818, 0.3015, 0.2925

Square

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



76.0818, 0.2991, 0.3563



76.0818, 0.2698, 0.2975



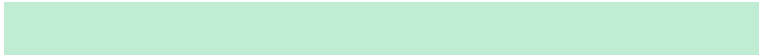
76.0818, 0.3254, 0.3038



76.0818, 0.3573, 0.3590

Rectangle

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



76.0818, 0.2991, 0.3563



76.0818, 0.2715, 0.3208



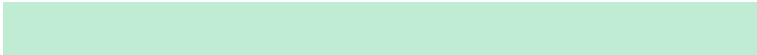
76.0818, 0.3254, 0.3038



76.0818, 0.3557, 0.3347

Sweetspot

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



76.0850, 0.2991, 0.3563



97.2109, 0.3089, 0.3360



78.6547, 0.3270, 0.3763



20.7262, 0.3084, 0.3370



0.0000, 0.0000, 0.0000



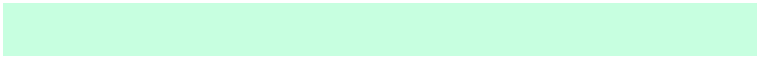
21.4041, 0.3127, 0.3290

Same Dimension

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



76.0850, 0.2991, 0.3563



89.0108, 0.2963, 0.3628



77.2244, 0.2869, 0.3321



16.9725, 0.3056, 0.3425



33.6450, 0.2777, 0.5198



2.6610, 0.2702, 0.4928

Inverse Universe

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



60.9864, 0.3291, 0.3032



67.7886, 0.3333, 0.2975



59.9540, 0.3459, 0.3260



15.1951, 0.3205, 0.3159



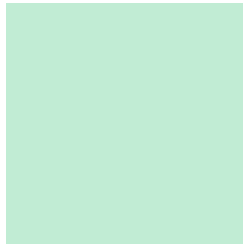
10.7734, 0.4708, 0.2367



0.8653, 0.4443, 0.2221

Previews

White Background



This preview shows how the Yxy color 76.0818, 0.2991, 0.3563 looks on a white background.

Color Contrast Check

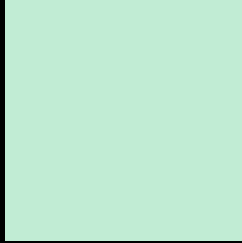
Large Text (above 18pt) WCAG AA × Fail

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 76.0818, 0.2991, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

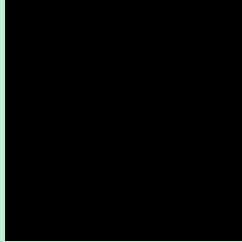
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

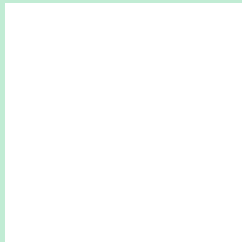
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0818, 0.2991, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 76.0818, 0.2991, 0.3563.

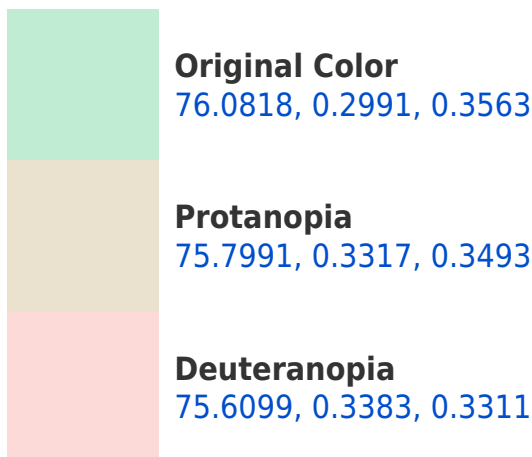


This preview shows how white text looks on a background with the Yxy color 76.0818, 0.2991, 0.3563.

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

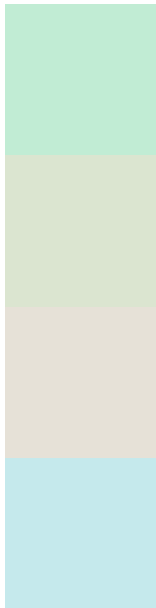




Tritanopia

76.2707, 0.2820, 0.3095

Trichromacy



Original Color

76.0818, 0.2991, 0.3563

Protanomaly

75.6528, 0.3193, 0.3520

Deuteranomaly

75.5797, 0.3228, 0.3397

Tritanomaly

76.2043, 0.2876, 0.3256

Monochromacy



Original Color

76.0818, 0.2991, 0.3563

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.1041, 0.3074, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0818, 0.2991, 0.3563 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(193, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(193, 236, 212)  
}
```

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(193, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 236, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.0818, 0.2991, 0.3563 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(193, 236, 212) }
```

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

```
.border{ border-color:rgb(193, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 236, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 236, 212);  
box-shadow:4px 4px 4px 4px rgb(193, 236,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0818, 0.2991, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 236, 212) }
```

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

```
.background{ background-color: rgb(193,  
236, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor