

Converting Colors

$Yxy(77.0645, 0.2991, 0.3714)$

Have a look what the booklet for
Yxy(77.0645, 0.2991, 0.3714)
contains.

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Color

Yxy(76.9463, 0.2993, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	B9F0CB
RGB	185, 240, 203
RGB Percent	73%, 94%, 80%
CMY	0.2746, 0.0588, 0.2040
CMYK	0.23, 0.00, 0.15, 0.06
HSL	140°, 65%, 83%
HSV	140°, 23%, 94%
XYZ	61.9420, 76.9463, 68.0679
YIQ	219.3370, -20.9030, -23.1670

Conversions

Conversions Part 2

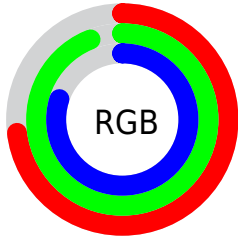
Format	Color
RYB	185, 226, 240
Decimal	12185803
CIELab	90.30, -24.68, 12.26
CIELCh	90, 27.557, 153.584
Yxy	76.9463, 0.2993, 0.3718
Android (android.graphics.Color)	4290375883 (0xFFB9F0CB)
YUV	219.3370, -8.0541, -30.1135
Hunter-Lab	87.7190, -27.4622, 15.3957

Details

The Yxy color **76.9463, 0.2993, 0.3718** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.4959, 0.3293, 0.2897**, and the grayscale version is **71.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **41.2762, 0.2958, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **73.4819, 0.2939, 0.3940**, and if you desaturate by 10%, it is **81.0013, 0.3051, 0.3517**.

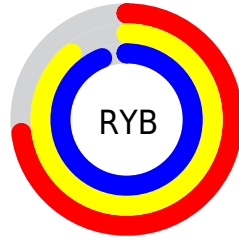
Distribution



Red (73%)

Green (94%)

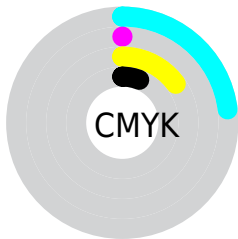
Blue (80%)



Red (73%)

Yellow (89%)

Blue (94%)

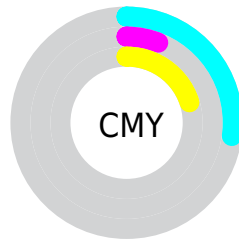


Cyan (23%)

Magenta (0%)

Yellow (15%)

Black (6%)



Cyan (27%)

Magenta (6%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9463, 0.2993, 0.3718 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 76.9463, 0.2993, 0.3718 by changing the saturation by 10% instead.


 76.9463, 0.2993,
0.3718

 76.9463, 0.2993,
0.3718


484.5809, 0.3058,
0.3516

 57.2088, 0.2978,
0.3765


 129.0637, 0.3016,
0.3647

 41.1729, 0.2958,
0.3824

162.2123, 0.3025,
0.3620

 28.4542, 0.2933,
0.3900


200.6002, 0.3032,
0.3596

 18.6683, 0.2900,
0.4001

244.6116, 0.3039,
0.3576

 11.4309, 0.2853,
0.4141

294.6310, 0.3044,
0.3558

 6.3574, 0.2781,
0.4348

351.0427, 0.3049,

 3.0636, 0.2661,

0.3542

0.4686

414.2313, 0.3054,
0.3528

■ 1.1650, 0.2369,
0.5739

■ 0.0329, 0.0000,
1.0000

■ 76.9463, 0.2993,
0.3718

■ 76.9463, 0.2993,
0.3718

■ 73.4819, 0.2939,
0.3940

■ 81.0013, 0.3051,
0.3517

■ 70.5706, 0.2891,
0.4181

■ 85.6630, 0.3110,
0.3338


■ 68.1857, 0.2853,
0.4437


■ 90.5791, 0.3156,
0.3180

■ 66.2942, 0.2828,
0.4700

■ 90.8062, 0.3134,
0.3146

 64.8592, 0.2819,
0.4960

 63.8384, 0.2827,
0.5205

 63.1812, 0.2853,
0.5423

 62.8825, 0.2877,
0.5558

Harmonies

Analogous

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



76.9463, 0.3319, 0.3865



76.9463, 0.2993, 0.3718



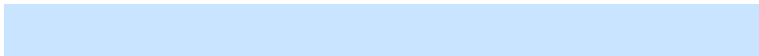
76.9463, 0.2713, 0.3437

Triad

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



76.9463, 0.2993, 0.3718



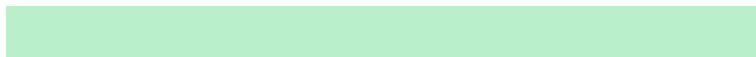
76.9463, 0.2657, 0.2764



76.9463, 0.3744, 0.3402

Complementary

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



76.9463, 0.2993, 0.3718



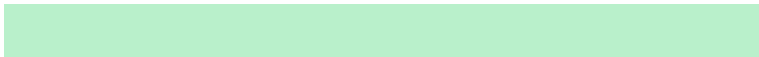
58.4959, 0.3293, 0.2897

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.



76.9463, 0.3548, 0.3134



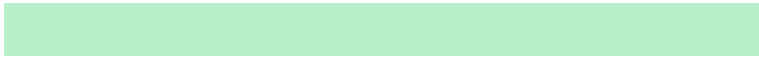
76.9463, 0.2993, 0.3718



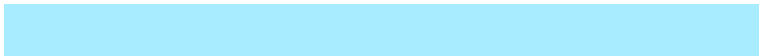
76.9463, 0.2913, 0.2778

Square

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



76.9463, 0.2993, 0.3718



76.9463, 0.2527, 0.2885



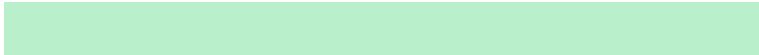
76.9463, 0.3239, 0.2911



76.9463, 0.3763, 0.3657

Rectangle

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



76.9463, 0.2993, 0.3718



76.9463, 0.2587, 0.3227



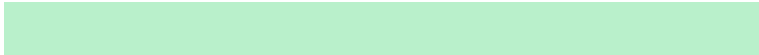
76.9463, 0.3239, 0.2911



76.9463, 0.3696, 0.3311

Sweetspot

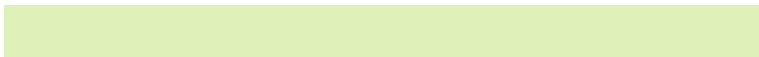
The Sweet Spot groups the original color and five complimentary colors.



76.9495, 0.2993, 0.3718



96.0204, 0.3086, 0.3409



81.4509, 0.3351, 0.3886



20.4824, 0.3082, 0.3420



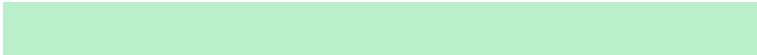
0.0000, 0.0000, 0.0000



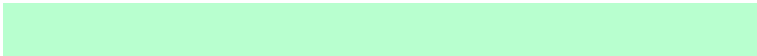
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9495, 0.2993, 0.3718



86.1628, 0.2964, 0.3830



78.3480, 0.2842, 0.3402



17.7416, 0.3071, 0.3453



34.4413, 0.2869, 0.5529



2.8828, 0.2796, 0.5264

Inverse Universe

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



58.4959, 0.3293, 0.2897



61.1822, 0.3339, 0.2806



57.1640, 0.3514, 0.3181



15.9384, 0.3188, 0.3132



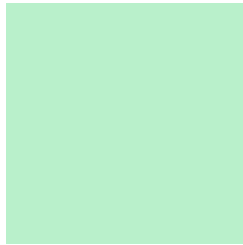
11.5861, 0.4248, 0.2114



0.9821, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 76.9463, 0.2993, 0.3718 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 76.9463, 0.2993, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

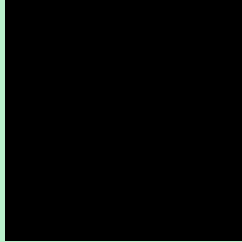
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

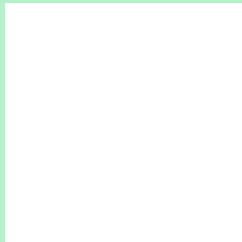
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9463, 0.2993, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 76.9463, 0.2993, 0.3718.

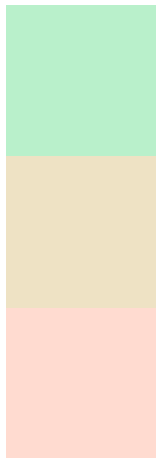


This preview shows how white text looks on a background with the Yxy color 76.9463, 0.2993, 0.3718.

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

76.9463, 0.2993, 0.3718

Protanopia

76.5554, 0.3413, 0.3608

Deuteranopia

76.4771, 0.3468, 0.3403



Tritanopia

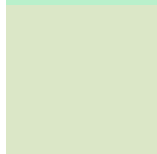
76.7754, 0.2769, 0.3083

Trichromacy



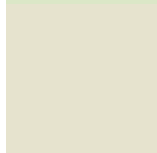
Original Color

76.9463, 0.2993, 0.3718



Protanomaly

76.3354, 0.3249, 0.3642



Deuteranomaly

76.2174, 0.3286, 0.3515



Tritanomaly

77.0078, 0.2852, 0.3311

Monochromacy



Original Color

76.9463, 0.2993, 0.3718



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

73.0077, 0.3079, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9463, 0.2993, 0.3718 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(185, 240, 203)` looks like.

```
.text, #text, p{  
    color:rgb(185, 240, 203)  
}
```

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(185, 240, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 240, 203) }
```

Border

The CSS property to change the border of an element to Yxy 76.9463, 0.2993, 0.3718 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(185, 240, 203) }
```

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

```
.border{ border-color:rgb(185, 240, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 240, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 240, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 240, 203);  
box-shadow:4px 4px 4px 4px rgb(185, 240,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9463, 0.2993, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 240, 203) }
```

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

```
.background{ background-color: rgb(185,  
240, 203) }
```

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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