

Converting Colors

$Yxy(76.7603, 0.2947, 0.3538)$

Have a look what the booklet for
Yxy(76.7603, 0.2947, 0.3538)
contains.

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Color

Yxy(76.9258, 0.2943, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	BDEED8
RGB	189, 238, 216
RGB Percent	74%, 93%, 85%
CMY	0.2588, 0.0666, 0.1530
CMYK	0.21, 0.00, 0.09, 0.07
HSL	153°, 59%, 84%
HSV	153°, 21%, 93%
XYZ	63.9527, 76.9258, 76.4260
YIQ	220.8410, -22.1420, -17.2300

Conversions

Conversions Part 2

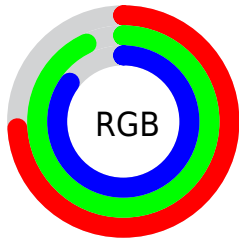
Format	Color
RYB	189, 221, 238
Decimal	12447448
CIELab	90.29, -20.00, 5.51
CIELCh	90, 20.744, 164.590
Yxy	76.9258, 0.2943, 0.3540
Android (android.graphics.Color)	4290637528 (0xFFBDEED8)
YUV	220.8410, -2.3866, -27.9246
Hunter-Lab	87.7074, -23.3328, 9.7313

Details

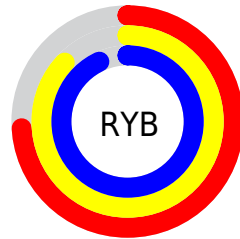
The Yxy color **76.9258, 0.2943, 0.3540** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.2789, 0.3359, 0.3053**, and the grayscale version is **72.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **41.1800, 0.2902, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **73.5954, 0.2861, 0.3681**, and if you desaturate by 10%, it is **80.7981, 0.3031, 0.3412**.

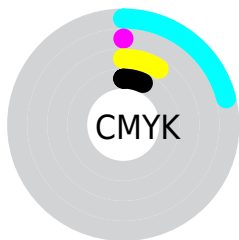
Distribution



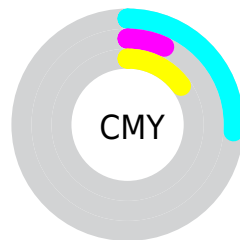
- Red (74%)
- Green (93%)
- Blue (85%)



- Red (74%)
- Yellow (87%)
- Blue (93%)



- Cyan (21%)
- Magenta (0%)
- Yellow (9%)
- Black (7%)




- Cyan (26%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9258, 0.2943, 0.3540 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 76.9258, 0.2943, 0.3540 by changing the saturation by 10% instead.

 76.9258, 0.2943,
0.3540

 76.9258, 0.2943,
0.3540


484.5110, 0.3028,
0.3423

 57.1920, 0.2923,
0.3567


 129.0347, 0.2973,
0.3499

 41.1594, 0.2899,
0.3600

162.1786, 0.2984,
0.3484

 28.4437, 0.2868,
0.3643


200.5614, 0.2994,
0.3470

 18.6604, 0.2828,
0.3699


244.5673, 0.3003,
0.3458

 11.4251, 0.2773,
0.3777

294.5808, 0.3010,
0.3448

 6.3535, 0.2693,
0.3890


350.9864, 0.3017,


 3.0612, 0.2567,


0.3439


0.4071

414.1683, 0.3023,
0.3431


 1.1638, 0.2275,
0.4454

 0.0318, 0.0000,
1.0000


 76.9258, 0.2943,
0.3540


 76.9258, 0.2943,
0.3540


 73.5954, 0.2861,
0.3681


 80.7981, 0.3031,
0.3412

 70.7722, 0.2787,
0.3835

 85.2260, 0.3122,
0.3296

 68.4325, 0.2726,
0.4000

 89.1954, 0.3178,
0.3193

 66.5464, 0.2679,
0.4172

 89.6334, 0.3135,
0.3127

■ 65.0810, 0.2651,
0.4350

■ 63.9985, 0.2643,
0.4528

■ 63.2539, 0.2656,
0.4702

■ 62.7923, 0.2683,
0.4859

Harmonies

Analogous

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



76.9258, 0.3185, 0.3692



76.9258, 0.2943, 0.3540



76.9258, 0.2755, 0.3316

Triad

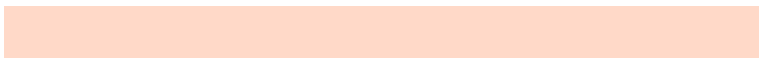
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9258, 0.2943, 0.3540



76.9258, 0.2833, 0.2881



76.9258, 0.3611, 0.3455

Complementary

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



76.9258, 0.2943, 0.3540



59.2789, 0.3359, 0.3053

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.



76.9258, 0.3510, 0.3248



76.9258, 0.2943, 0.3540



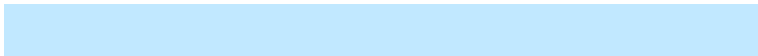
76.9258, 0.3055, 0.2926

Square

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



76.9258, 0.2943, 0.3540



76.9258, 0.2694, 0.2939



76.9258, 0.3304, 0.3058



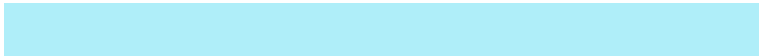
76.9258, 0.3576, 0.3630

Rectangle

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



76.9258, 0.2943, 0.3540



76.9258, 0.2683, 0.3164



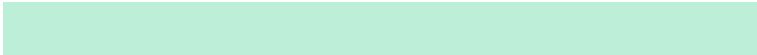
76.9258, 0.3304, 0.3058



76.9258, 0.3592, 0.3387

Sweetspot

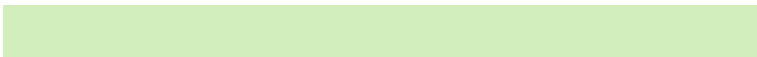
The Sweet Spot groups the original color and five complimentary colors.



76.9290, 0.2943, 0.3540



96.7777, 0.3072, 0.3357



78.6844, 0.3248, 0.3836



20.6425, 0.3066, 0.3365



0.0000, 0.0000, 0.0000



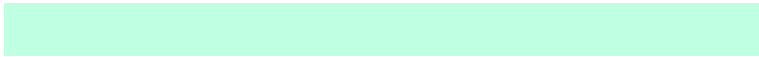
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9290, 0.2943, 0.3540



88.1385, 0.2905, 0.3602



76.7286, 0.2818, 0.3262



17.8020, 0.3041, 0.3398



35.0558, 0.2676, 0.4833



2.9363, 0.2614, 0.4611

Inverse Universe

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



59.2789, 0.3359, 0.3053



63.7932, 0.3423, 0.2999



59.3114, 0.3534, 0.3318



15.8770, 0.3223, 0.3184



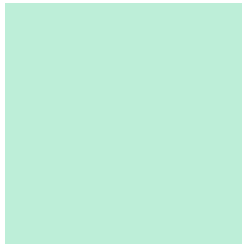
10.7584, 0.5172, 0.2623



0.9148, 0.4848, 0.2444

Previews

White Background



This preview shows how the Yxy color 76.9258, 0.2943, 0.3540 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 76.9258, 0.2943, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

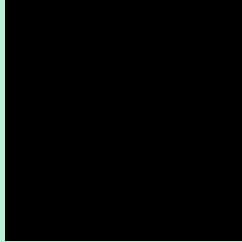
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

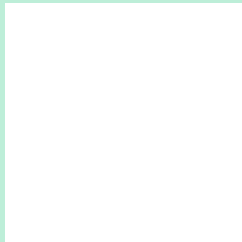
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9258, 0.2943, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 76.9258, 0.2943, 0.3540.

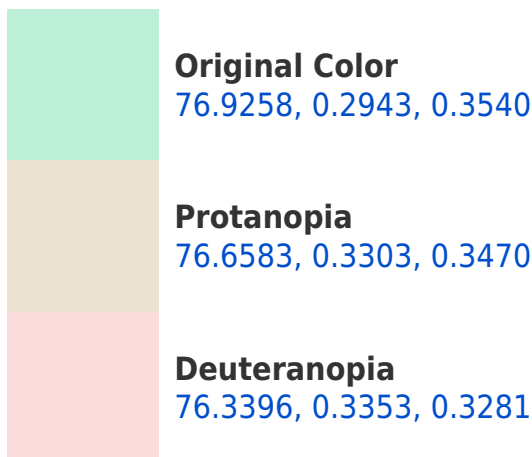


This preview shows how white text looks on a background with the Yxy color 76.9258, 0.2943, 0.3540.

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

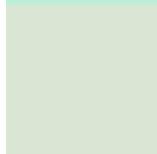
76.9786, 0.2786, 0.3094

Trichromacy



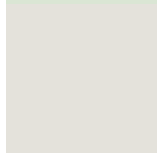
Original Color

76.9258, 0.2943, 0.3540



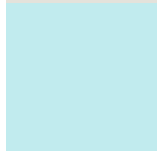
Protanomaly

76.2525, 0.3159, 0.3486



Deuteranomaly

76.0012, 0.3187, 0.3365



Tritanomaly

76.9272, 0.2842, 0.3256

Monochromacy



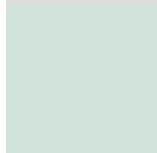
Original Color

76.9258, 0.2943, 0.3540



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.6080, 0.3054, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9258, 0.2943, 0.3540 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, 238, 216)` looks like.

```
.text, #text, p{  
    color:rgb(189, 238, 216)  
}
```

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, 238, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 238, 216) }
```

Border

The CSS property to change the border of an element to Yxy 76.9258, 0.2943, 0.3540 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, 238, 216) }
```

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

```
.border{ border-color:rgb(189, 238, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 238, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 238, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 238, 216);  
box-shadow:4px 4px 4px 4px rgb(189, 238,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9258, 0.2943, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 238, 216) }
```

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

```
.background{ background-color: rgb(189,  
238, 216) }
```

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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