

Converting Colors

$Yxy(76.0687, 0.2979, 0.3617)$

Have a look what the booklet for
Yxy(76.0687, 0.2979, 0.3617)
contains.

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Color

Yxy(75.8632, 0.2977, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	BCEDD1
RGB	188, 237, 209
RGB Percent	74%, 93%, 82%
CMY	0.2625, 0.0706, 0.1803
CMYK	0.21, 0.00, 0.12, 0.07
HSL	146°, 58%, 83%
HSV	146°, 21%, 93%
XYZ	62.5435, 75.8632, 71.6824
YIQ	219.1570, -20.2160, -19.0960

Conversions

Conversions Part 2

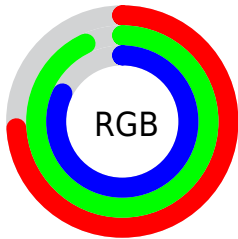
Format	Color
RYB	188, 222, 237
Decimal	12381649
CIELab	89.80, -21.12, 8.42
CIELCh	90, 22.738, 158.264
Yxy	75.8632, 0.2977, 0.3611
Android (android.graphics.Color)	4290571729 (0xFFBCEDD1)
YUV	219.1570, -5.0074, -27.3247
Hunter-Lab	87.0995, -24.2486, 12.1743

Details

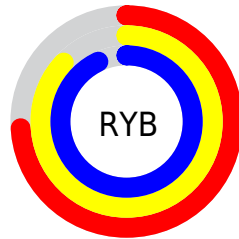
The Yxy color **75.8632, 0.2977, 0.3611** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.9516, 0.3312, 0.2990**, and the grayscale version is **71.0083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **40.4826, 0.2937, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **72.4557, 0.2909, 0.3794**, and if you desaturate by 10%, it is **79.8283, 0.3049, 0.3446**.

Distribution



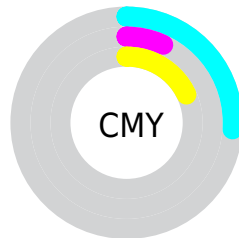
- Red (74%)
- Green (93%)
- Blue (82%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)




- Cyan (26%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8632, 0.2977, 0.3611 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 75.8632, 0.2977, 0.3611 by changing the saturation by 10% instead.


 75.8632, 0.2977,
0.3611

 75.8632, 0.2977,
0.3611

480.8793, 0.3048,
0.3460

 56.3203, 0.2961,
0.3646


 127.5335, 0.3002,
0.3558

 40.4598, 0.2940,
0.3690


160.4298, 0.3011,
0.3538

 27.8972, 0.2914,
0.3746


198.5459, 0.3020,
0.3520

 18.2482, 0.2879,
0.3821

242.2664, 0.3027,
0.3505

 11.1283, 0.2831,
0.3924

291.9756, 0.3033,
0.3492

 6.1532, 0.2759,
0.4076


348.0578, 0.3038,


 2.9385, 0.2643,


0.3480


410.8976, 0.3043,
0.3469


0.4325


 1.0997, 0.2334,
0.4983


 0.0000, 0.0000,
0.0000

 75.8632, 0.2977,
0.3611


 75.8632, 0.2977,
0.3611


 72.4557, 0.2909,
0.3794

 79.8283, 0.3049,
0.3446


 69.5708, 0.2849,
0.3993

 84.3654, 0.3122,
0.3299

 67.1842, 0.2799,
0.4206

 88.7041, 0.3168,
0.3168

 65.2656, 0.2763,
0.4428

 89.0435, 0.3135,
0.3117

■ 63.7814, 0.2744,
0.4654

■ 62.6933, 0.2745,
0.4877

■ 61.9557, 0.2764,
0.5087

■ 61.5140, 0.2797,
0.5268

Harmonies

Analogous

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



75.8632, 0.3247, 0.3753



75.8632, 0.2977, 0.3611



75.8632, 0.2754, 0.3373

Triad

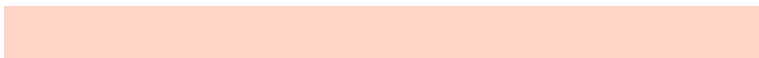
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8632, 0.2977, 0.3611



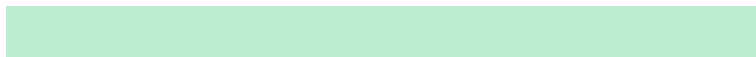
75.8632, 0.2763, 0.2845



75.8632, 0.3650, 0.3422

Complementary

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



75.8632, 0.2977, 0.3611



58.9516, 0.3312, 0.2990

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.



75.8632, 0.3509, 0.3195



75.8632, 0.2977, 0.3611



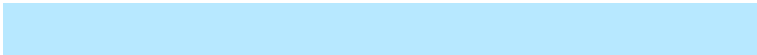
75.8632, 0.2990, 0.2872

Square

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



75.8632, 0.2977, 0.3611



75.8632, 0.2635, 0.2931



75.8632, 0.3264, 0.2998



75.8632, 0.3642, 0.3627

Rectangle

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



75.8632, 0.2977, 0.3611



75.8632, 0.2659, 0.3201



75.8632, 0.3264, 0.2998



75.8632, 0.3618, 0.3346

Sweetspot

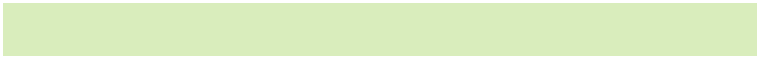
The Sweet Spot groups the original color and five complimentary colors.



75.8664, 0.2977, 0.3611



96.6624, 0.3083, 0.3376



78.8873, 0.3294, 0.3829



20.6152, 0.3078, 0.3386



0.0000, 0.0000, 0.0000



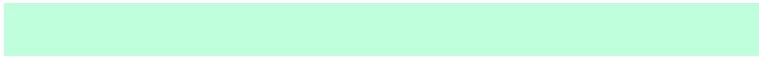
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8664, 0.2977, 0.3611



87.7205, 0.2946, 0.3690



77.1400, 0.2841, 0.3335



16.9693, 0.3057, 0.3428



33.6121, 0.2788, 0.5237



2.6583, 0.2712, 0.4964

Inverse Universe

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



58.9516, 0.3312, 0.2990



64.2146, 0.3362, 0.2922



57.8042, 0.3507, 0.3246



15.1983, 0.3203, 0.3156



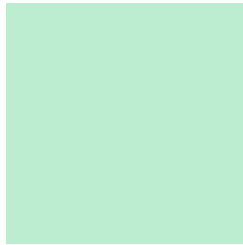
10.8185, 0.4655, 0.2338



0.8687, 0.4400, 0.2197

Previews

White Background



This preview shows how the Yxy color 75.8632, 0.2977, 0.3611 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 75.8632, 0.2977, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

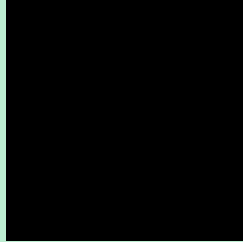
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

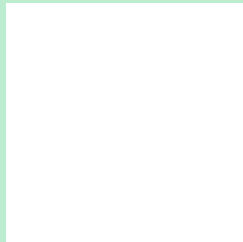
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8632, 0.2977, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 75.8632, 0.2977, 0.3611.

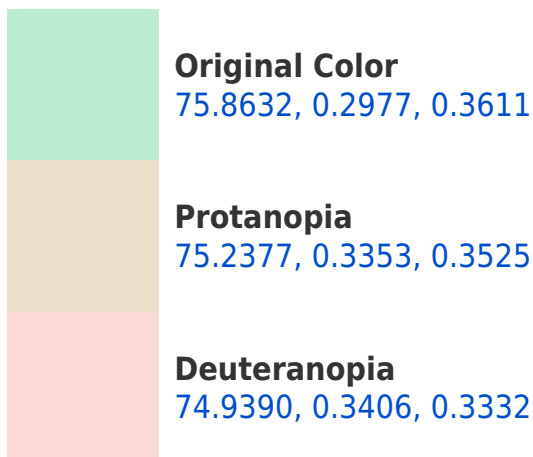


This preview shows how white text looks on a background with the Yxy color 75.8632, 0.2977, 0.3611.

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

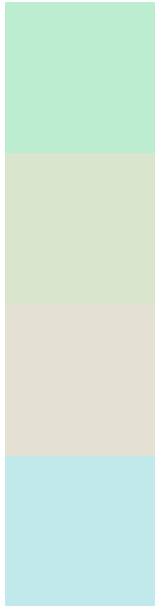




Tritanopia

75.7897, 0.2790, 0.3083

Trichromacy



Original Color

75.8632, 0.2977, 0.3611

Protanomaly

75.3518, 0.3205, 0.3554

Deuteranomaly

74.5588, 0.3235, 0.3419

Tritanomaly

75.6134, 0.2857, 0.3267

Monochromacy



Original Color

75.8632, 0.2977, 0.3611

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.7089, 0.3073, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8632, 0.2977, 0.3611 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(188, 237, 209)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 209)  
}
```

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(188, 237, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 209) }
```

Border

The CSS property to change the border of an element to Yxy 75.8632, 0.2977, 0.3611 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(188, 237, 209) }
```

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

```
.border{ border-color:rgb(188, 237, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 237, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 209);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8632, 0.2977, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 237, 209) }
```

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

```
.background{ background-color: rgb(188,  
237, 209) }
```

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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