

Converting Colors

$Yxy(74.8751, 0.2927, 0.3616)$

Have a look what the booklet for
Yxy(74.8751, 0.2927, 0.3616)
contains.

Yxy(74.8751, 0.2927, 0.3616)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.8751, 0.2927, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	B4EDD1
RGB	180, 237, 209
RGB Percent	71%, 93%, 82%
CMY	0.2943, 0.0705, 0.1804
CMYK	0.24, 0.00, 0.12, 0.07
HSL	151°, 61%, 82%
HSV	151°, 24%, 93%
XYZ	60.6082, 74.8751, 71.5827
YIQ	216.7650, -24.9840, -20.7920

Conversions

Conversions Part 2

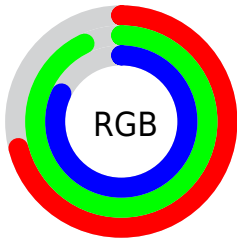
Format	Color
R_{YB}	180, 218, 237
Decimal	11857361
CIE _{Lab}	89.33, -23.67, 7.71
CIE _{LCh}	89, 24.888, 161.964
Yxy	74.8751, 0.2927, 0.3616
Android (android.graphics.Color)	4290047441 (0xFFB4EDD1)
YUV	216.7650, -3.8281, -32.2429
Hunter-Lab	86.5304, -26.4019, 11.5233

Details

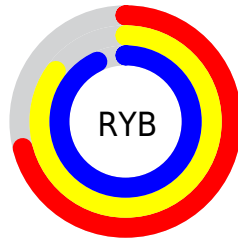
The Yxy color **74.8751, 0.2927, 0.3616** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.1851, 0.3388, 0.2986**, and the grayscale version is **69.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **39.8499, 0.2876, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **71.7180, 0.2852, 0.3776**, and if you desaturate by 10%, it is **78.5668, 0.3008, 0.3470**.

Distribution



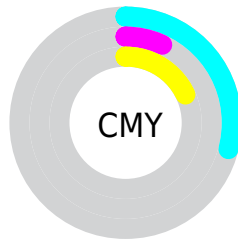
- Red (71%)
- Green (93%)
- Blue (82%)



- Red (71%)
- Yellow (85%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)





- Cyan (29%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8751, 0.2927, 0.3616 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 74.8751, 0.2927, 0.3616 by changing the saturation by 10% instead.


 74.8751, 0.2927,
0.3616

 74.8751, 0.2927,
0.3616


477.4882, 0.3021,
0.3462

 55.5106, 0.2905,
0.3652


 126.1355, 0.2960,
0.3562

 39.8107, 0.2878,
0.3697


158.8003, 0.2973,
0.3541

 27.3909, 0.2844,
0.3754


196.6671, 0.2983,
0.3523

 17.8671, 0.2798,
0.3830

240.1206, 0.2993,
0.3508

 10.8546, 0.2735,
0.3936

289.5451, 0.3001,
0.3494

 5.9691, 0.2642,
0.4094


345.3249, 0.3009,

 2.8263, 0.2492,


0.3482


0.4351


407.8444, 0.3015,
0.3472

 1.0417, 0.1990,
0.5125


 0.0000, 0.0000,
0.0000

 74.8751, 0.2927,
0.3616


 74.8751, 0.2927,
0.3616


 71.7180, 0.2852,
0.3776


 78.5668, 0.3008,
0.3470


 69.0606, 0.2787,
0.3950

 82.8077, 0.3092,
0.3339

 66.8781, 0.2734,
0.4134

 87.6232, 0.3178,
0.3223

 65.1399, 0.2697,
0.4326

 89.0561, 0.3135,
0.3117

■ 63.8116, 0.2679,
0.4521

■ 62.8534, 0.2681,
0.4713

■ 62.2169, 0.2703,
0.4898

■ 61.9484, 0.2723,
0.5003

Harmonies

Analogous

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



74.8751, 0.3221, 0.3790



74.8751, 0.2927, 0.3616



74.8751, 0.2694, 0.3345

Triad

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



74.8751, 0.2927, 0.3616



74.8751, 0.2753, 0.2800



74.8751, 0.3711, 0.3463

Complementary

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



74.8751, 0.2927, 0.3616



55.1851, 0.3388, 0.2986

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.



74.8751, 0.3574, 0.3215



74.8751, 0.2927, 0.3616



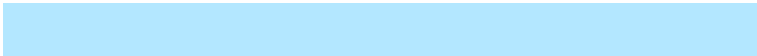
74.8751, 0.3012, 0.2844

Square

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



74.8751, 0.2927, 0.3616



74.8751, 0.2598, 0.2877



74.8751, 0.3314, 0.2994



74.8751, 0.3681, 0.3682

Rectangle

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



74.8751, 0.2927, 0.3616



74.8751, 0.2601, 0.3157



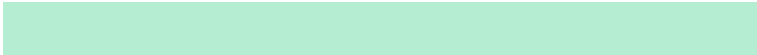
74.8751, 0.3314, 0.2994



74.8751, 0.3683, 0.3381

Sweetspot

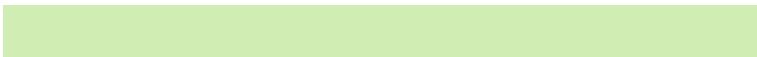
The Sweet Spot groups the original color and five complimentary colors.



74.8782, 0.2927, 0.3616



96.2188, 0.3067, 0.3376



77.3501, 0.3288, 0.3932



20.5283, 0.3062, 0.3384



0.0000, 0.0000, 0.0000



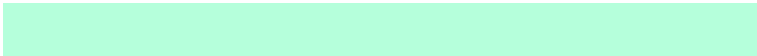
21.4041, 0.3127, 0.3290

Same Dimension

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



74.8782, 0.2927, 0.3616



86.4485, 0.2888, 0.3695



76.3896, 0.2772, 0.3289



16.9902, 0.3047, 0.3408



33.8439, 0.2715, 0.4974



2.6770, 0.2646, 0.4724

Inverse Universe

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



55.1851, 0.3388, 0.2986



59.3561, 0.3460, 0.2919



53.9264, 0.3630, 0.3292



15.1773, 0.3216, 0.3175



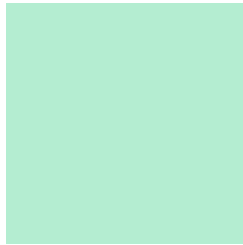
10.5489, 0.4995, 0.2525



0.8477, 0.4681, 0.2353

Previews

White Background



This preview shows how the Yxy color 74.8751, 0.2927, 0.3616 looks on a white background.

Color Contrast Check

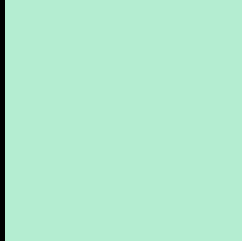
Large Text (above 18pt) WCAG AA × Fail

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 74.8751, 0.2927, 0.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

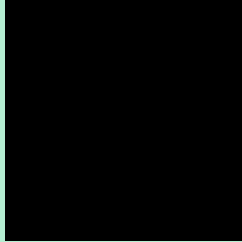
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

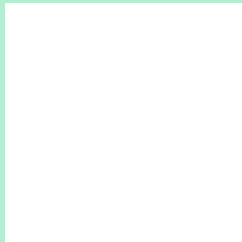
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8751, 0.2927, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 74.8751, 0.2927, 0.3616.



This preview shows how white text looks on a background with the Yxy color 74.8751, 0.2927, 0.3616.

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

74.8751, 0.2927, 0.3616

Protanopia

74.3633, 0.3340, 0.3516

Deuteranopia

74.0556, 0.3392, 0.3322



Tritanopia

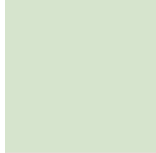
74.7453, 0.2743, 0.3080

Trichromacy



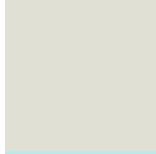
Original Color

74.8751, 0.2927, 0.3616



Protanomaly

74.1907, 0.3178, 0.3545



Deuteranomaly

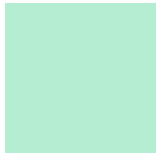
73.9121, 0.3206, 0.3420



Tritanomaly

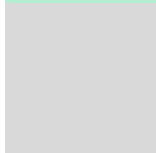
74.5903, 0.2809, 0.3267

Monochromacy



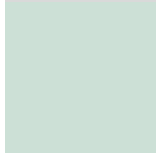
Original Color

74.8751, 0.2927, 0.3616



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.0037, 0.3053, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8751, 0.2927, 0.3616 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(180, 237, 209)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 237, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 237, 209) }
```

Border

The CSS property to change the border of an element to Yxy 74.8751, 0.2927, 0.3616 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(180, 237, 209) }
```

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

```
.border{ border-color:rgb(180, 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(180, 237, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 237, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 237, 209);  
box-shadow:4px 4px 4px 4px rgb(180, 237,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8751, 0.2927, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 237, 209) }
```

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

```
.background{ background-color: rgb(180,  
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](#).

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