

Converting Colors

$Yxy(72.6877, 0.2844, 0.3501)$

Have a look what the booklet for
Yxy(72.6877, 0.2844, 0.3501)
contains.

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Color

Yxy(72.6877, 0.2844, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	ADEAD8
RGB	173, 234, 216
RGB Percent	68%, 92%, 85%
CMY	0.3217, 0.0823, 0.1529
CMYK	0.26, 0.00, 0.08, 0.08
HSL	162°, 59%, 80%
HSV	162°, 26%, 92%
XYZ	59.0471, 72.6877, 75.8850
YIQ	213.7090, -30.5780, -18.5300

Conversions

Conversions Part 2

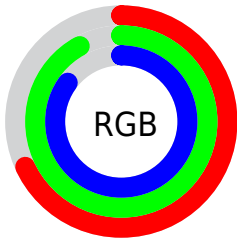
Format	Color
R _{YB}	173, 209, 234
Decimal	11397848
CIE Lab	88.30, -22.93, 2.50
CIE LCh	88, 23.064, 173.769
Yxy	72.6877, 0.2844, 0.3501
Android (android.graphics.Color)	4289587928 (0xFFAED8D8)
YUV	213.7090, 1.1295, -35.7018
Hunter-Lab	85.2571, -25.5749, 6.9075

Details

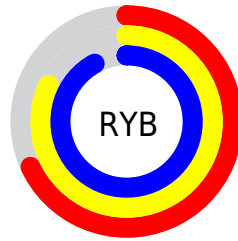
The Yxy color **72.6877, 0.2844, 0.3501** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.1332, 0.3521, 0.3090**, and the grayscale version is **67.0456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **38.3359, 0.2778, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **69.9033, 0.2749, 0.3596**, and if you desaturate by 10%, it is **75.9602, 0.2948, 0.3414**.

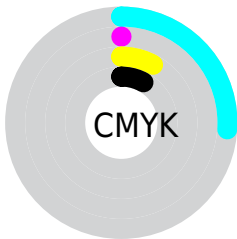
Distribution



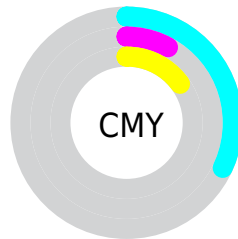
- Red (68%)
- Green (92%)
- Blue (85%)



- Red (68%)
- Yellow (82%)
- Blue (92%)



- Cyan (26%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)



- Cyan (32%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6877, 0.2844, 0.3501 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 72.6877, 0.2844, 0.3501 by changing the saturation by 10% instead.

 72.6877, 0.2844,
0.3501

 72.6877, 0.2844,
0.3501


469.9317, 0.2975,
0.3402

 53.7206, 0.2814,
0.3524


 123.0338, 0.2890,
0.3467

 38.3784, 0.2777,
0.3552


155.1815, 0.2907,
0.3453

 26.2765, 0.2729,
0.3588


192.4917, 0.2923,
0.3442

 17.0306, 0.2667,
0.3636

235.3486, 0.2936,
0.3432

 10.2563, 0.2582,
0.3702

284.1367, 0.2948,
0.3423

 5.5692, 0.2460,
0.3798

339.2403, 0.2958,

 2.5850, 0.2266,

0.3415

401.0438, 0.2967,
0.3409

0.3953

0.9191, 0.1523,
0.4466

0.0000, 0.0000,
0.0000

72.6877, 0.2844,
0.3501

72.6877, 0.2844,
0.3501

69.9033, 0.2749,
0.3596

75.9602, 0.2948,
0.3414

67.5735, 0.2666,
0.3697

79.7347, 0.3058,
0.3334


65.6746, 0.2599,
0.3804


84.0355, 0.3172,
0.3263


64.1770, 0.2549,
0.3914


86.6195, 0.3208,
0.3197

 63.0471, 0.2519,
0.4027

 87.0460, 0.3165,
0.3130

 62.2460, 0.2510,
0.4140

 87.3310, 0.3137,
0.3088

 61.7253, 0.2520,
0.4252

 61.5666, 0.2526,
0.4295

Harmonies

Analogous

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



72.6877, 0.3105, 0.3708



72.6877, 0.2844, 0.3501



72.6877, 0.2663, 0.3237

Triad

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



72.6877, 0.2844, 0.3501



72.6877, 0.2863, 0.2833



72.6877, 0.3681, 0.3541

Complementary

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



72.6877, 0.2844, 0.3501



51.1332, 0.3521, 0.3090

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.



72.6877, 0.3613, 0.3312



72.6877, 0.2844, 0.3501



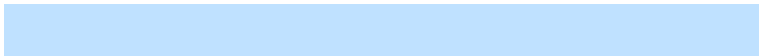
72.6877, 0.3130, 0.2916

Square

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



72.6877, 0.2844, 0.3501



72.6877, 0.2674, 0.2861



72.6877, 0.3407, 0.3088



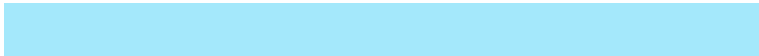
72.6877, 0.3593, 0.3718

Rectangle

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



72.6877, 0.2844, 0.3501



72.6877, 0.2608, 0.3073



72.6877, 0.3407, 0.3088



72.6877, 0.3676, 0.3467

Sweetspot

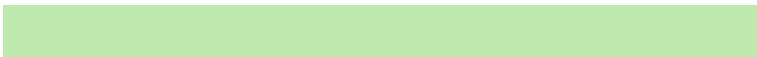
The Sweet Spot groups the original color and five complimentary colors.



72.6907, 0.2844, 0.3501



95.9526, 0.3036, 0.3349



72.9808, 0.3215, 0.4009



20.3848, 0.3019, 0.3361



0.0000, 0.0000, 0.0000



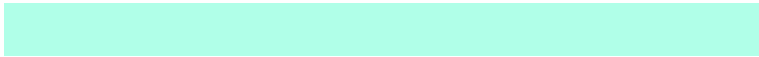
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6907, 0.2844, 0.3501



86.5522, 0.2795, 0.3548



66.9606, 0.2732, 0.3146



17.0417, 0.3020, 0.3360



34.6170, 0.2522, 0.4278



2.7350, 0.2479, 0.4123

Inverse Universe

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



51.1332, 0.3521, 0.3090



56.4272, 0.3625, 0.3049



55.2850, 0.3651, 0.3429



15.1272, 0.3247, 0.3221



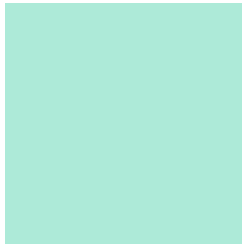
10.0907, 0.5777, 0.2956



0.8087, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 72.6877, 0.2844, 0.3501 looks on a white background.

Color Contrast Check

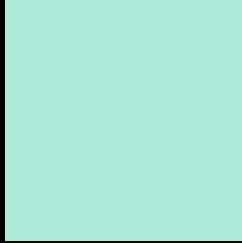
Large Text (above 18pt) WCAG AA × Fail

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 72.6877, 0.2844, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

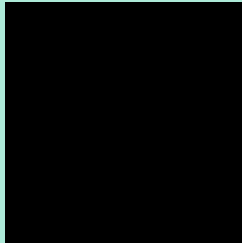
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

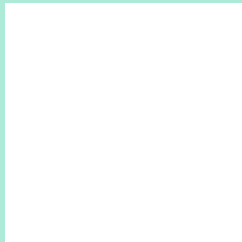
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6877, 0.2844, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 72.6877, 0.2844, 0.3501.

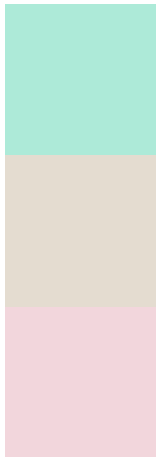


This preview shows how white text looks on a background with the Yxy color 72.6877, 0.2844, 0.3501.

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

72.6877, 0.2844, 0.3501

Protanopia

72.2344, 0.3266, 0.3420

Deuteranopia

72.1377, 0.3293, 0.3228



Tritanopia

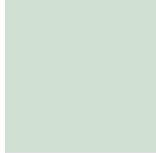
72.3996, 0.2700, 0.3076

Trichromacy



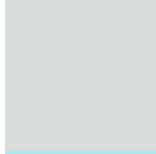
Original Color

72.6877, 0.2844, 0.3501



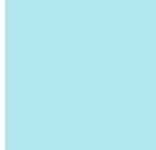
Protanomaly

71.9635, 0.3099, 0.3447



Deuteranomaly

71.5791, 0.3112, 0.3312



Tritanomaly

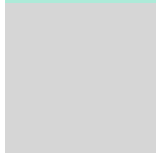
72.5551, 0.2755, 0.3232

Monochromacy



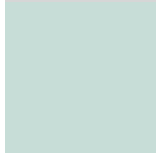
Original Color

72.6877, 0.2844, 0.3501



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.7613, 0.3012, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6877, 0.2844, 0.3501 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(173, 234, 216)` looks like.

```
.text, #text, p{  
    color:rgb(173, 234, 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(173, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 234, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.6877, 0.2844, 0.3501 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(173, 234, 216) }
```

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

```
.border{ border-color:rgb(173, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(173, 234,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6877, 0.2844, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 234, 216) }
```

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

```
.background{ background-color: rgb(173,  
234, 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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