

Converting Colors

$Yxy(72.8429, 0.2937, 0.3634)$

Have a look what the booklet for
Yxy(72.8429, 0.2937, 0.3634)
contains.

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Color

Yxy(72.7184, 0.2937, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	B2EACD
RGB	178, 234, 205
RGB Percent	70%, 92%, 80%
CMY	0.3019, 0.0823, 0.1961
CMYK	0.24, 0.00, 0.12, 0.08
HSL	149°, 57%, 81%
HSV	149°, 24%, 92%
XYZ	58.8034, 72.7184, 68.6941
YIQ	213.9500, -24.0670, -20.8910

Conversions

Conversions Part 2

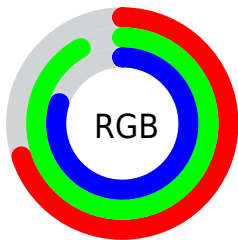
Format	Color
R _{YB}	178, 216, 234
Decimal	11725517
CIE Lab	88.31, -23.58, 8.32
CIE LCh	88, 25.002, 160.571
Yxy	72.7184, 0.2937, 0.3632
Android (android.graphics.Color)	4289915597 (0xFFB2EACD)
YUV	213.9500, -4.4124, -31.5282
Hunter-Lab	85.2751, -26.1426, 11.9310

Details

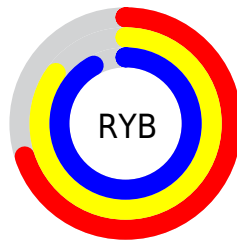
The Yxy color **72.7184, 0.2937, 0.3632** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.8426, 0.3374, 0.2972**, and the grayscale version is **67.2547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **38.3602, 0.2887, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **69.6224, 0.2865, 0.3801**, and if you desaturate by 10%, it is **76.3379, 0.3015, 0.3478**.

Distribution



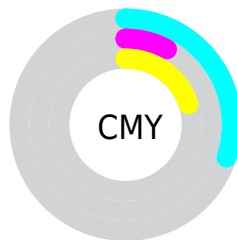
- Red (70%)
- Green (92%)
- Blue (80%)



- Red (70%)
- Yellow (85%)
- Blue (92%)



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)




- Cyan (30%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7184, 0.2937, 0.3632 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 72.7184, 0.2937, 0.3632 by changing the saturation by 10% instead.


 72.7184, 0.2937,
0.3632

 72.7184, 0.2937,
0.3632


470.0382, 0.3027,
0.3470

 53.7457, 0.2916,
0.3670


 123.0774, 0.2969,
0.3575

 38.3984, 0.2890,
0.3718


155.2324, 0.2981,
0.3553

 26.2921, 0.2856,
0.3779

192.5505, 0.2991,
0.3534

 17.0423, 0.2811,
0.3861

235.4158, 0.3000,
0.3518

 10.2646, 0.2749,
0.3976

284.2128, 0.3008,
0.3503

 5.5748, 0.2655,
0.4148


339.3260, 0.3015,

 2.5883, 0.2503,


0.3491


0.4433


401.1397, 0.3021,
0.3480


 0.9208, 0.1823,
0.5613


 0.0000, 0.0000,
0.0000


 72.7184, 0.2937,
0.3632


 72.7184, 0.2937,
0.3632


 69.6224, 0.2865,
0.3801


 76.3379, 0.3015,
0.3478


 67.0159, 0.2802,
0.3985

 80.4951, 0.3095,
0.3340

 64.8748, 0.2752,
0.4180

 85.2149, 0.3177,
0.3217

 63.1693, 0.2717,
0.4382

 87.2302, 0.3146,
0.3102

■ 61.8659, 0.2700,
0.4588

■ 87.3276, 0.3137,
0.3088

■ 60.9259, 0.2704,
0.4790

■ 60.3026, 0.2727,
0.4982

■ 60.0355, 0.2748,
0.5093

Harmonies

Analogous

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



72.7184, 0.3236, 0.3802



72.7184, 0.2937, 0.3632



72.7184, 0.2697, 0.3359

Triad

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



72.7184, 0.2937, 0.3632



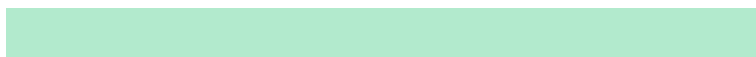
72.7184, 0.2738, 0.2794



72.7184, 0.3716, 0.3454

Complementary

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



72.7184, 0.2937, 0.3632



53.8426, 0.3374, 0.2972

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.



72.7184, 0.3571, 0.3202



72.7184, 0.2937, 0.3632



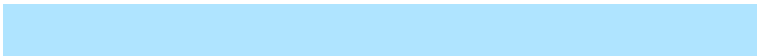
72.7184, 0.2996, 0.2834

Square

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



72.7184, 0.2937, 0.3632



72.7184, 0.2587, 0.2878



72.7184, 0.3303, 0.2981



72.7184, 0.3694, 0.3679

Rectangle

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



72.7184, 0.2937, 0.3632



72.7184, 0.2599, 0.3168



72.7184, 0.3303, 0.2981



72.7184, 0.3685, 0.3370

Sweetspot

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



72.7214, 0.2937, 0.3632



96.1891, 0.3070, 0.3381



75.4537, 0.3300, 0.3925



20.5215, 0.3065, 0.3389



0.0000, 0.0000, 0.0000



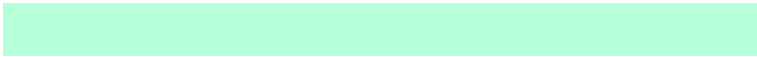
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7214, 0.2937, 0.3632



86.3439, 0.2899, 0.3718



74.1476, 0.2785, 0.3310



16.9831, 0.3050, 0.3415



33.7607, 0.2740, 0.5065



2.6704, 0.2668, 0.4806

Inverse Universe

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



53.8426, 0.3374, 0.2972



59.4611, 0.3443, 0.2899



52.6273, 0.3609, 0.3270



15.1844, 0.3212, 0.3169



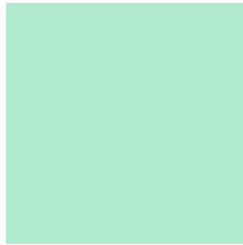
10.6339, 0.4880, 0.2462



0.8545, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 72.7184, 0.2937, 0.3632 looks on a white background.

Color Contrast Check

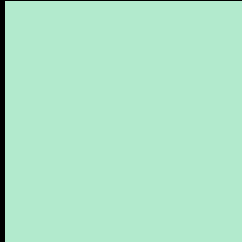
Large Text (above 18pt) WCAG AA × Fail

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 72.7184, 0.2937, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

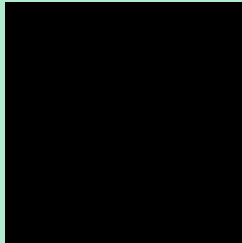
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

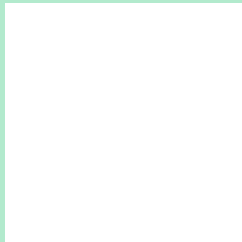
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7184, 0.2937, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 72.7184, 0.2937, 0.3632.

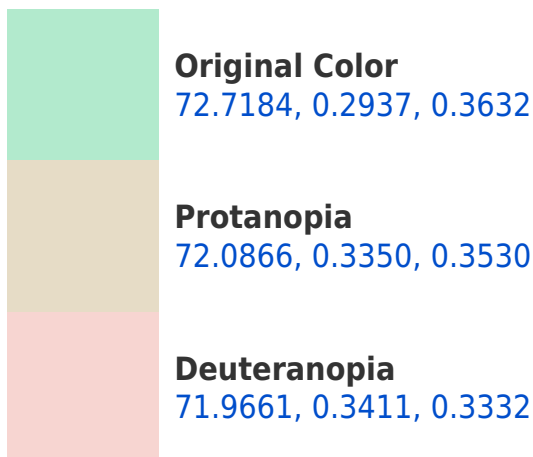


This preview shows how white text looks on a background with the Yxy color 72.7184, 0.2937, 0.3632.

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

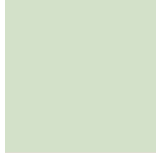
72.5797, 0.2750, 0.3089

Trichromacy



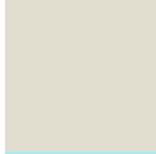
Original Color

72.7184, 0.2937, 0.3632



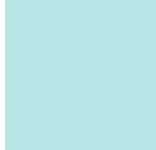
Protanomaly

71.9164, 0.3185, 0.3560



Deuteranomaly

71.7966, 0.3221, 0.3433



Tritanomaly

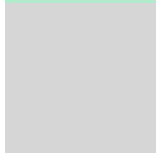
72.4304, 0.2817, 0.3278

Monochromacy



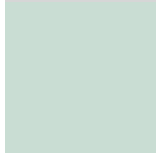
Original Color

72.7184, 0.2937, 0.3632



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

68.8336, 0.3052, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7184, 0.2937, 0.3632 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(178, 234, 205)` looks like.

```
.text, #text, p{  
    color:rgb(178, 234, 205)  
}
```

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(178, 234, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 234, 205) }
```

Border

The CSS property to change the border of an element to Yxy 72.7184, 0.2937, 0.3632 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(178, 234, 205) }
```

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

```
.border{ border-color:rgb(178, 234, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 234, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 234, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 234, 205);  
box-shadow:4px 4px 4px 4px rgb(178, 234,  
205) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7184, 0.2937, 0.3632$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 234, 205) }
```

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

```
.background{ background-color: rgb(178,  
234, 205) }
```

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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