

Converting Colors

$Yxy(72.7861, 0.2954, 0.3712)$

Have a look what the booklet for
Yxy(72.7861, 0.2954, 0.3712)
contains.

Yxy(72.8169, 0.2954, 0.3706)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8169, 0.2954, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	B0EBC8
RGB	176, 235, 200
RGB Percent	69%, 92%, 78%
CMY	0.3097, 0.0784, 0.2158
CMYK	0.25, 0.00, 0.15, 0.08
HSL	144°, 60%, 81%
HSV	144°, 25%, 92%
XYZ	58.0413, 72.8169, 65.6256
YIQ	213.3690, -23.9290, -23.3930

Conversions

Conversions Part 2

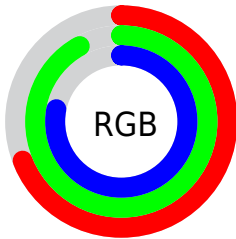
Format	Color
RYB	176, 218, 235
Decimal	11594696
CIELab	88.36, -25.63, 10.99
CIELCh	88, 27.887, 156.789
Yxy	72.8169, 0.2954, 0.3706
Android (android.graphics.Color)	4289784776 (0xFFB0EBC8)
YUV	213.3690, -6.5909, -32.7726
Hunter-Lab	85.3328, -27.9211, 14.1357

Details

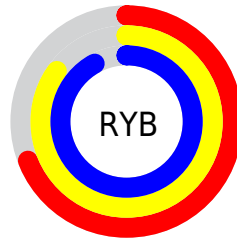
The Yxy color **72.8169, 0.2954, 0.3706** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.4318, 0.3351, 0.2908**, and the grayscale version is **66.8612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **38.4531, 0.2908, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **69.6899, 0.2892, 0.3904**, and if you desaturate by 10%, it is **76.4838, 0.3021, 0.3526**.

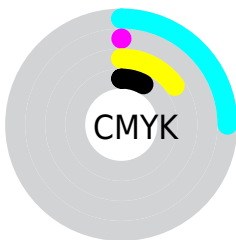
Distribution



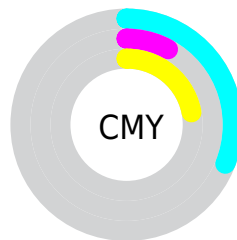
- Red (69%)
- Green (92%)
- Blue (78%)



- Red (69%)
- Yellow (85%)
- Blue (92%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (31%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8169, 0.2954, 0.3706 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 72.8169, 0.2954, 0.3706 by changing the saturation by 10% instead.


 72.8169, 0.2954,
0.3706

 72.8169, 0.2954,
0.3706


470.3800, 0.3037,
0.3507

 53.8263, 0.2934,
0.3753

 123.2172, 0.2983,
0.3636

 38.4628, 0.2910,
0.3812


155.3957, 0.2995,
0.3609

 26.3421, 0.2878,
0.3888


192.7390, 0.3004,
0.3586

 17.0797, 0.2835,
0.3989

235.6313, 0.3013,
0.3566

 10.2913, 0.2774,
0.4132

284.4572, 0.3020,
0.3549

 5.5926, 0.2682,
0.4346


339.6010, 0.3026,

 2.5989, 0.2528,


0.3533

0.4704


401.4471, 0.3032,
0.3520


 0.9261, 0.1790,
0.6524

 0.0000, 0.0000,
0.0000

 72.8169, 0.2954,
0.3706


 72.8169, 0.2954,
0.3706


 69.6899, 0.2892,
0.3904


 76.4838, 0.3021,
0.3526

 67.0676, 0.2838,
0.4118

 80.7056, 0.3091,
0.3365

 64.9248, 0.2796,
0.4345

 85.5080, 0.3162,
0.3222

 63.2304, 0.2769,
0.4579

 87.8968, 0.3136,
0.3097

■ 61.9493, 0.2759,
0.4812

■ 61.0412, 0.2769,
0.5036

■ 60.4565, 0.2798,
0.5242

■ 60.2509, 0.2815,
0.5335

Harmonies

Analogous

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



72.8169, 0.3289, 0.3876



72.8169, 0.2954, 0.3706



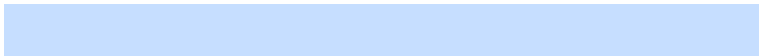
72.8169, 0.2676, 0.3407

Triad

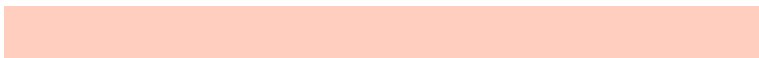
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8169, 0.2954, 0.3706



72.8169, 0.2666, 0.2744



72.8169, 0.3775, 0.3434

Complementary

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



72.8169, 0.2954, 0.3706



53.4318, 0.3351, 0.2908

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.



72.8169, 0.3590, 0.3157



72.8169, 0.2954, 0.3706



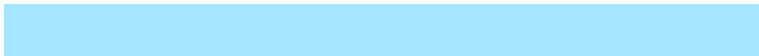
72.8169, 0.2940, 0.2772

Square

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



72.8169, 0.2954, 0.3706



72.8169, 0.2517, 0.2852



72.8169, 0.3279, 0.2921



72.8169, 0.3773, 0.3692

Rectangle

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



72.8169, 0.2954, 0.3706



72.8169, 0.2556, 0.3190



72.8169, 0.3279, 0.2921



72.8169, 0.3732, 0.3341

Sweetspot

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



72.8199, 0.2954, 0.3706



95.5782, 0.3071, 0.3411



76.4627, 0.3336, 0.3953



20.2904, 0.3060, 0.3435



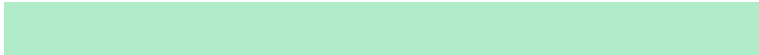
0.0000, 0.0000, 0.0000



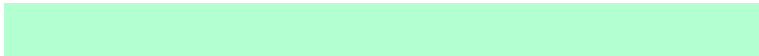
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8199, 0.2954, 0.3706



85.6758, 0.2922, 0.3804



74.3137, 0.2791, 0.3357



16.9636, 0.3060, 0.3433



33.5561, 0.2807, 0.5306



2.6536, 0.2730, 0.5029

Inverse Universe

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



53.4318, 0.3351, 0.2908



58.6784, 0.3408, 0.2828



52.1004, 0.3605, 0.3225



15.2042, 0.3200, 0.3151



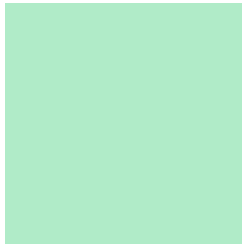
10.9025, 0.4563, 0.2287



0.8751, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 72.8169, 0.2954, 0.3706 looks on a white background.

Color Contrast Check

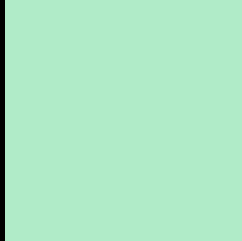
Large Text (above 18pt) WCAG AA × Fail

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 72.8169, 0.2954, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

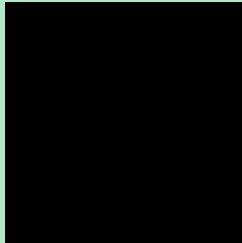
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

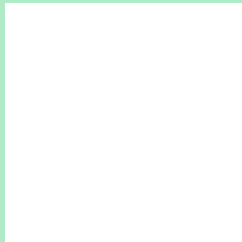
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8169, 0.2954, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 72.8169, 0.2954, 0.3706.

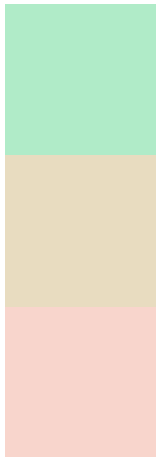


This preview shows how white text looks on a background with the Yxy color 72.8169, 0.2954, 0.3706.

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

72.8169, 0.2954, 0.3706

Protanopia

72.1480, 0.3407, 0.3594

Deuteranopia

71.9046, 0.3455, 0.3385



Tritanopia

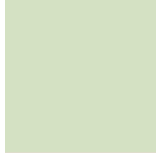
72.5165, 0.2739, 0.3077

Trichromacy



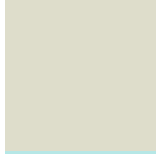
Original Color

72.8169, 0.2954, 0.3706



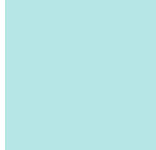
Protanomaly

71.7876, 0.3231, 0.3629



Deuteranomaly

71.5543, 0.3255, 0.3489



Tritanomaly

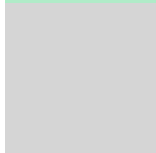
72.8101, 0.2817, 0.3301

Monochromacy



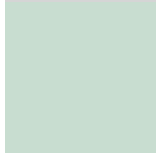
Original Color

72.8169, 0.2954, 0.3706



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.5463, 0.3064, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8169, 0.2954, 0.3706 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(176, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 235, 200)  
}
```

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(176, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 235, 200) }
```

Border

The CSS property to change the border of an element to Yxy 72.8169, 0.2954, 0.3706 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(176, 235, 200) }
```

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

```
.border{ border-color:rgb(176, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(176, 235,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8169, 0.2954, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 235, 200) }
```

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

```
.background{ background-color: rgb(176,  
235, 200) }
```

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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