

Converting Colors

$Yxy(72.0653, 0.2953, 0.3761)$

Have a look what the booklet for
Yxy(72.0653, 0.2953, 0.3761)
contains.

Yxy(72.1728, 0.2952, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.1728, 0.2952, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	ACEBC4
RGB	172, 235, 196
RGB Percent	67%, 92%, 77%
CMY	0.3254, 0.0784, 0.2312
CMYK	0.27, 0.00, 0.17, 0.08
HSL	143°, 61%, 80%
HSV	143°, 27%, 92%
XYZ	56.6935, 72.1728, 63.1848
YIQ	211.7170, -25.0290, -25.4850

Conversions

Conversions Part 2

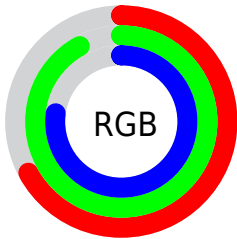
Format	Color
RYB	172, 218, 235
Decimal	11332548
CIELab	88.05, -27.61, 12.58
CIELCh	88, 30.340, 155.504
Yxy	72.1728, 0.2952, 0.3758
Android (android.graphics.Color)	4289522628 (0xFFACEBC4)
YUV	211.7170, -7.7485, -34.8318
Hunter-Lab	84.9546, -29.5505, 15.3714

Details

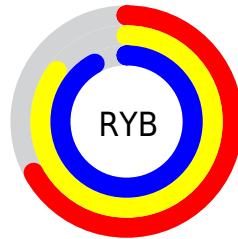
The Yxy color **72.1728, 0.2952, 0.3758** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.8830, 0.3356, 0.2865**, and the grayscale version is **65.7127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1058, 0.2975, 0.3310**, and **38.0447, 0.2907, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **69.1165, 0.2894, 0.3968**, and if you desaturate by 10%, it is **75.7695, 0.3015, 0.3567**.

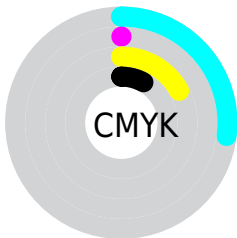
Distribution



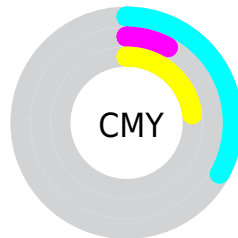
- Red (67%)
- Green (92%)
- Blue (77%)



- Red (67%)
- Yellow (85%)
- Blue (92%)



- Cyan (27%)
- Magenta (0%)
- Yellow (17%)
- Black (8%)



- Cyan (33%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1728, 0.2952, 0.3758 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 72.1728, 0.2952, 0.3758 by changing the saturation by 10% instead.


 72.1728, 0.2952,
0.3758

 72.1728, 0.2952,
0.3758


468.1428, 0.3037,
0.3534

 53.2998, 0.2932,
0.3811


 122.3022, 0.2982,
0.3679

 38.0422, 0.2906,
0.3878


154.3274, 0.2994,
0.3648

 26.0154, 0.2873,
0.3965


191.5055, 0.3004,
0.3622

 16.8352, 0.2828,
0.4081

234.2208, 0.3012,
0.3600

 10.1171, 0.2764,
0.4245

282.8578, 0.3019,
0.3580

 5.4766, 0.2665,
0.4493


337.8009, 0.3026,

 2.5295, 0.2497,


0.3563

0.4910


399.4345, 0.3032,
0.3547


 0.8914, 0.1499,
0.7713


 0.0000, 0.0000,
0.0000


 72.1728, 0.2952,
0.3758


 72.1728, 0.2952,
0.3758

 69.1165, 0.2894,
0.3968

 75.7695, 0.3015,
0.3567


 66.5649, 0.2844,
0.4194

 79.9223, 0.3082,
0.3395

 64.4922, 0.2806,
0.4432

 84.6572, 0.3149,
0.3243

 62.8664, 0.2784,
0.4676

 87.8431, 0.3141,
0.3105

■ 61.6514, 0.2779,
0.4916

■ 87.8942, 0.3136,
0.3097

■ 60.8054, 0.2793,
0.5143

■ 60.2752, 0.2824,
0.5348

■ 60.1450, 0.2836,
0.5409

Harmonies

Analogous

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



72.1728, 0.3317, 0.3935



72.1728, 0.2952, 0.3758



72.1728, 0.2646, 0.3432

Triad

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



72.1728, 0.2952, 0.3758



72.1728, 0.2615, 0.2699



72.1728, 0.3830, 0.3431

Complementary

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



72.1728, 0.2952, 0.3758



51.8830, 0.3356, 0.2865

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.



72.1728, 0.3620, 0.3132



72.1728, 0.2952, 0.3758



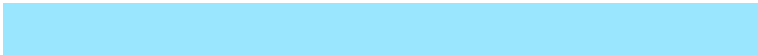
72.1728, 0.2907, 0.2725

Square

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



72.1728, 0.2952, 0.3758



72.1728, 0.2461, 0.2820



72.1728, 0.3275, 0.2881



72.1728, 0.3836, 0.3714

Rectangle

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



72.1728, 0.2952, 0.3758



72.1728, 0.2513, 0.3194



72.1728, 0.3275, 0.2881



72.1728, 0.3781, 0.3330

Sweetspot

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



72.1758, 0.2952, 0.3758



95.5475, 0.3073, 0.3416



76.3778, 0.3364, 0.3998



20.2827, 0.3063, 0.3441



0.0000, 0.0000, 0.0000



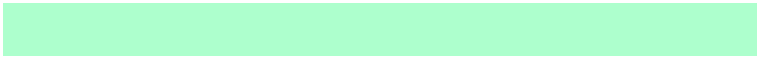
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1758, 0.2952, 0.3758



84.8336, 0.2920, 0.3868



73.7129, 0.2781, 0.3386



16.9572, 0.3064, 0.3439



33.4978, 0.2828, 0.5379



2.6486, 0.2750, 0.5099

Inverse Universe

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



51.8830, 0.3356, 0.2865



56.6772, 0.3415, 0.2777



50.4927, 0.3628, 0.3197



15.2108, 0.3196, 0.3145



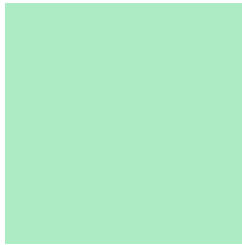
11.0007, 0.4461, 0.2231



0.8825, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 72.1728, 0.2952, 0.3758 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 72.1728, 0.2952, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

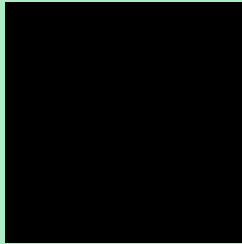
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

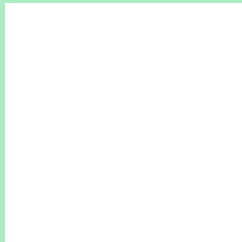
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1728, 0.2952, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 72.1728, 0.2952, 0.3758.

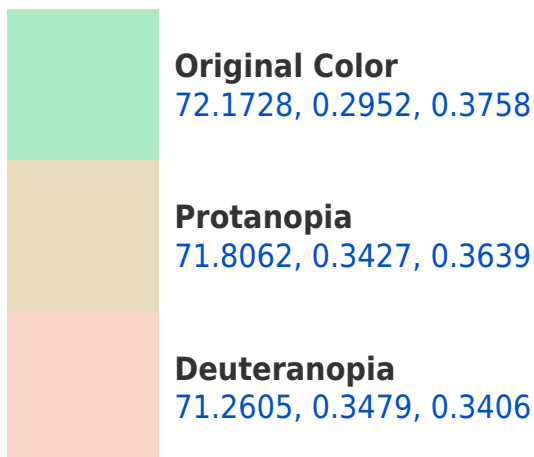


This preview shows how white text looks on a background with the Yxy color 72.1728, 0.2952, 0.3758.

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

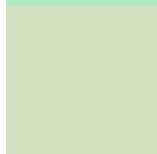
72.0857, 0.2727, 0.3087

Trichromacy



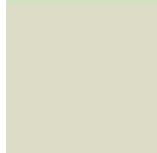
Original Color

72.1728, 0.2952, 0.3758



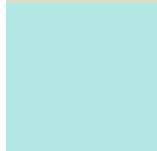
Protanomaly

71.3137, 0.3243, 0.3677



Deuteranomaly

70.5256, 0.3269, 0.3524



Tritanomaly

72.2182, 0.2805, 0.3324

Monochromacy



Original Color

72.1728, 0.2952, 0.3758



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.5129, 0.3056, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1728, 0.2952, 0.3758 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(172, 235, 196)` looks like.

```
.text, #text, p{  
    color:rgb(172, 235, 196)  
}
```

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(172, 235, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 235, 196) }
```

Border

The CSS property to change the border of an element to Yxy 72.1728, 0.2952, 0.3758 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(172, 235, 196) }
```

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

```
.border{ border-color:rgb(172, 235, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 235, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 235, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 235, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 235,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1728, 0.2952, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 235, 196) }
```

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

```
.background{ background-color: rgb(172,  
235, 196) }
```

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