

Converting Colors

$Y_{xy}(70.1239, 0.3051, 0.3719)$

Have a look what the booklet for
Yxy(70.1239, 0.3051, 0.3719)
contains.

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Color

Yxy(70.2032, 0.3053, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	B9E5C1
RGB	185, 229, 193
RGB Percent	73%, 90%, 76%
CMY	0.2747, 0.1019, 0.2431
CMYK	0.19, 0.00, 0.16, 0.10
HSL	131°, 46%, 81%
HSV	131°, 19%, 90%
XYZ	57.6467, 70.2032, 60.9699
YIQ	211.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

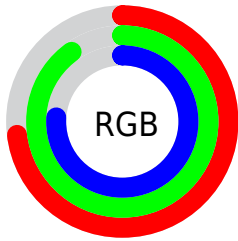
Format	Color
RYB	185, 222, 229
Decimal	12182977
CIELab	87.10, -21.15, 12.91
CIElCh	87, 24.773, 148.604
Yxy	70.2032, 0.3053, 0.3718
Android (android.graphics.Color)	4290373057 (0xFFB9E5C1)
YUV	211.7400, -9.2388, -23.4510
Hunter-Lab	83.7873, -23.8178, 15.5073

Details

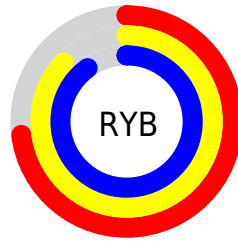
The Yxy color **70.2032, 0.3053, 0.3718** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.5615, 0.3211, 0.2897**, and the grayscale version is **65.7242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2368, 0.3081, 0.3349**, and **36.5765, 0.3033, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **66.8010, 0.3015, 0.3980**, and if you desaturate by 10%, it is **74.1758, 0.3092, 0.3483**.

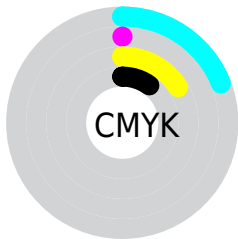
Distribution



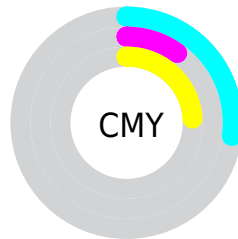
- Red (73%)
- Green (90%)
- Blue (76%)



- Red (73%)
- Yellow (87%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)




- Cyan (27%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2032, 0.3053, 0.3718 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 70.2032, 0.3053, 0.3718 by changing the saturation by 10% instead.

 70.2032, 0.3053,
0.3718

 70.2032, 0.3053,
0.3718


461.2632, 0.3091,
0.3513

 51.6922, 0.3044,
0.3767


 119.4985, 0.3067,
0.3645

 36.7598, 0.3031,
0.3828


151.0516, 0.3072,
0.3617

 25.0216, 0.3015,
0.3908


187.7208, 0.3076,
0.3594

 16.0931, 0.2993,
0.4014

229.8906, 0.3080,
0.3573

 9.5901, 0.2960,
0.4165

277.9453, 0.3083,
0.3555

 5.1280, 0.2906,
0.4394

332.2694, 0.3086,

 2.3226, 0.2808,

0.3539

0.4780

393.2472, 0.3088,
0.3525

0.7856, 0.2268,
0.7732

0.0000, 0.0000,
0.0000

70.2032, 0.3053,
0.3718

70.2032, 0.3053,
0.3718

66.8010, 0.3015,
0.3980

74.1758, 0.3092,
0.3483

63.9345, 0.2980,
0.4267

78.7340, 0.3130,
0.3275

61.5786, 0.2951,
0.4570

83.9035, 0.3167,
0.3093

59.7029, 0.2930,
0.4879

84.5256, 0.3139,
0.3039

■ 58.2738, 0.2919,
0.5177

■ 57.2530, 0.2920,
0.5447

■ 56.5956, 0.2934,
0.5670

■ 56.2333, 0.2955,
0.5834

■ 56.2116, 0.2957,
0.5845

Harmonies

Analogous

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



70.2032, 0.3355, 0.3828



70.2032, 0.3053, 0.3718



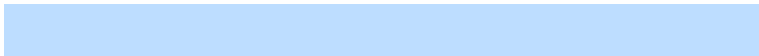
70.2032, 0.2781, 0.3475

Triad

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



70.2032, 0.3053, 0.3718



70.2032, 0.2661, 0.2811



70.2032, 0.3679, 0.3353

Complementary

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



70.2032, 0.3053, 0.3718



56.5615, 0.3211, 0.2897

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.



70.2032, 0.3475, 0.3107



70.2032, 0.3053, 0.3718



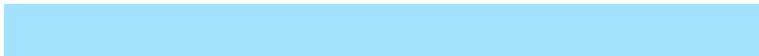
70.2032, 0.2883, 0.2803

Square

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



70.2032, 0.3053, 0.3718



70.2032, 0.2562, 0.2945



70.2032, 0.3180, 0.2910



70.2032, 0.3725, 0.3597

Rectangle

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



70.2032, 0.3053, 0.3718



70.2032, 0.2650, 0.3281



70.2032, 0.3180, 0.2910



70.2032, 0.3626, 0.3269

Sweetspot

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



70.2062, 0.3053, 0.3718



96.4334, 0.3104, 0.3413



75.0246, 0.3362, 0.3776



20.5612, 0.3102, 0.3427



0.0000, 0.0000, 0.0000



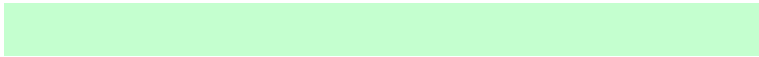
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2062, 0.3053, 0.3718



87.8109, 0.3038, 0.3817



71.2273, 0.2925, 0.3460



16.1320, 0.3091, 0.3488



32.1478, 0.2951, 0.5825



2.3881, 0.2881, 0.5571

Inverse Universe

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



56.5615, 0.3211, 0.2897



67.4469, 0.3231, 0.2815



55.4966, 0.3382, 0.3126



14.5677, 0.3166, 0.3100



11.5961, 0.3732, 0.1829



0.8687, 0.3642, 0.1780

Previews

White Background



This preview shows how the Yxy color 70.2032, 0.3053, 0.3718 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 70.2032, 0.3053, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

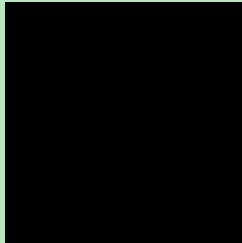
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

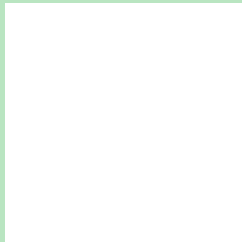
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2032, 0.3053, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 70.2032, 0.3053, 0.3718.

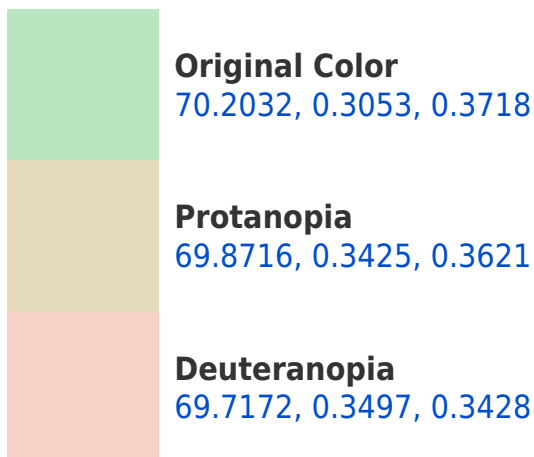


This preview shows how white text looks on a background with the Yxy color 70.2032, 0.3053, 0.3718.

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

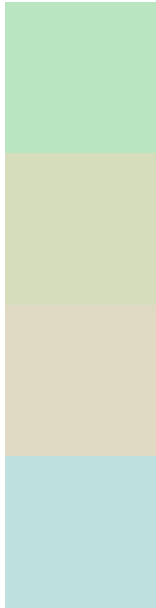




Tritanopia

69.8713, 0.2821, 0.3088

Trichromacy



Original Color

70.2032, 0.3053, 0.3718

Protanomaly

69.5332, 0.3284, 0.3654

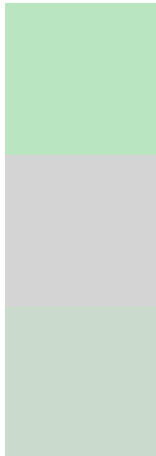
Deuteranomaly

69.4585, 0.3323, 0.3523

Tritanomaly

70.1253, 0.2904, 0.3312

Monochromacy



Original Color

70.2032, 0.3053, 0.3718

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.1071, 0.3099, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2032, 0.3053, 0.3718 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(185, 229, 193)` looks like.

```
.text, #text, p{  
    color:rgb(185, 229, 193)  
}
```

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(185, 229, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 229, 193) }
```

Border

The CSS property to change the border of an element to Yxy 70.2032, 0.3053, 0.3718 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(185, 229, 193) }
```

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

```
.border{ border-color:rgb(185, 229, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 229, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 229, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 229, 193);  
box-shadow:4px 4px 4px 4px rgb(185, 229,  
193) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.2032, 0.3053, 0.3718$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 229, 193) }
```

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

```
.background{ background-color: rgb(185,  
229, 193) }
```

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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