

Converting Colors

$Yxy(68.6475, 0.3055, 0.3721)$

Have a look what the booklet for
Yxy(68.6475, 0.3055, 0.3721)
contains.

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Color

Yxy(68.7670, 0.3053, 0.3722)

Conversions

Conversions Part 1

Format	Color
Hex	B7E3BF
RGB	183, 227, 191
RGB Percent	72%, 89%, 75%
CMY	0.2822, 0.1098, 0.2510
CMYK	0.19, 0.00, 0.16, 0.11
HSL	131°, 44%, 80%
HSV	131°, 19%, 89%
XYZ	56.4067, 68.7670, 59.5845
YIQ	209.7400, -14.6680, -20.5240

Conversions

Conversions Part 2

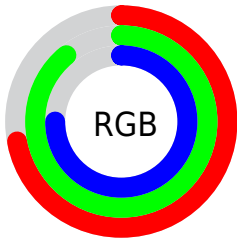
Format	Color
RYB	183, 220, 227
Decimal	12051391
CIELab	86.39, -21.15, 12.94
CIELCh	86, 24.797, 148.537
Yxy	68.7670, 0.3053, 0.3722
Android (android.graphics.Color)	4290241471 (0xFFB7E3BF)
YUV	209.7400, -9.2388, -23.4510
Hunter-Lab	82.9259, -23.7035, 15.4466

Details

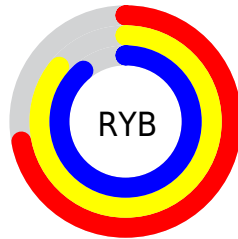
The Yxy color **68.7670, 0.3053, 0.3722** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.3292, 0.3211, 0.2893**, and the grayscale version is **64.3435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5861, 0.3074, 0.3369**, and **35.6279, 0.3024, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **65.4392, 0.3016, 0.3985**, and if you desaturate by 10%, it is **72.6534, 0.3091, 0.3486**.

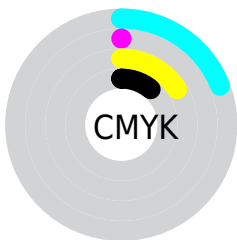
Distribution



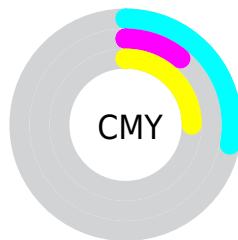
- Red (72%)
- Green (89%)
- Blue (75%)



- Red (72%)
- Yellow (86%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)





- Cyan (28%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7670, 0.3053, 0.3722 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 68.7670, 0.3053, 0.3722 by changing the saturation by 10% instead.


 68.7670, 0.3053,
0.3722

 68.7670, 0.3053,
0.3722


456.2088, 0.3091,
0.3514

 50.5220, 0.3043,
0.3772


 117.4487, 0.3067,
0.3648

 35.8283, 0.3031,
0.3834


148.6542, 0.3072,
0.3620

 24.3016, 0.3015,
0.3915


184.9486, 0.3076,
0.3596

 15.5575, 0.2992,
0.4025

226.7164, 0.3080,
0.3575

 9.2116, 0.2958,
0.4180

274.3419, 0.3083,
0.3557

 4.8795, 0.2903,
0.4417


328.2095, 0.3086,

 2.1767, 0.2799,


0.3541


0.4821

388.7037, 0.3089,
0.3527

 0.7073, 0.1806,
0.8194


 0.0000, 0.0000,
0.0000


 68.7670, 0.3053,
0.3722


 68.7670, 0.3053,
0.3722


 65.4392, 0.3016,
0.3985


 72.6534, 0.3091,
0.3486


 62.6360, 0.2981,
0.4272

 77.1135, 0.3130,
0.3278

 60.3329, 0.2952,
0.4576

 82.1725, 0.3166,
0.3095

 58.5000, 0.2931,
0.4885

 83.4170, 0.3140,
0.3019

■ 57.1044, 0.2920,
0.5184

■ 56.1084, 0.2921,
0.5453

■ 55.4681, 0.2935,
0.5675

■ 55.1153, 0.2956,
0.5838

■ 55.0976, 0.2957,
0.5847

Harmonies

Analogous

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



68.7670, 0.3357, 0.3832



68.7670, 0.3053, 0.3722



68.7670, 0.2778, 0.3477

Triad

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



68.7670, 0.3053, 0.3722



68.7670, 0.2657, 0.2808



68.7670, 0.3683, 0.3353

Complementary

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



68.7670, 0.3053, 0.3722



55.3292, 0.3211, 0.2893

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.



68.7670, 0.3477, 0.3105



68.7670, 0.3053, 0.3722



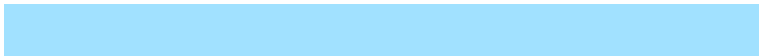
68.7670, 0.2880, 0.2799

Square

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



68.7670, 0.3053, 0.3722



68.7670, 0.2558, 0.2943



68.7670, 0.3180, 0.2907



68.7670, 0.3730, 0.3598

Rectangle

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



68.7670, 0.3053, 0.3722



68.7670, 0.2646, 0.3281



68.7670, 0.3180, 0.2907



68.7670, 0.3629, 0.3268

Sweetspot

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



68.7699, 0.3053, 0.3722



96.4318, 0.3104, 0.3414



73.5217, 0.3364, 0.3780



20.5608, 0.3102, 0.3428



0.0000, 0.0000, 0.0000



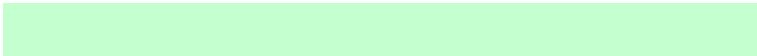
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7699, 0.3053, 0.3722



87.8059, 0.3039, 0.3818



69.7795, 0.2923, 0.3461



16.1315, 0.3091, 0.3488



32.1461, 0.2952, 0.5827



2.3879, 0.2882, 0.5575

Inverse Universe

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



55.3292, 0.3211, 0.2893



67.4531, 0.3231, 0.2814



54.2754, 0.3384, 0.3125



14.5681, 0.3165, 0.3100



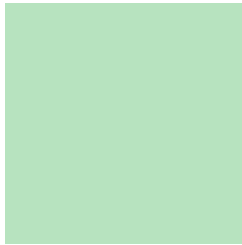
11.6058, 0.3726, 0.1826



0.8693, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 68.7670, 0.3053, 0.3722 looks on a white background.

Color Contrast Check

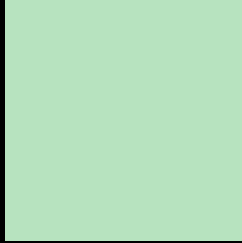
Large Text (above 18pt) WCAG AA × Fail

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 68.7670, 0.3053, 0.3722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

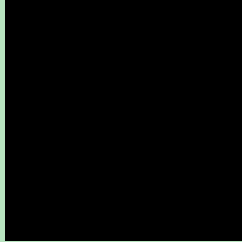
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

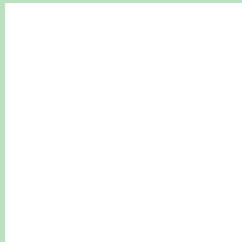
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7670, 0.3053, 0.3722

Background



This preview shows how black text looks on a background with the Yxy color 68.7670, 0.3053, 0.3722.



This preview shows how white text looks on a background with the Yxy color 68.7670, 0.3053, 0.3722.

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

68.7670, 0.3053, 0.3722

Protanopia

68.2724, 0.3420, 0.3624

Deuteranopia

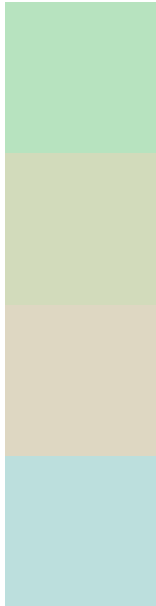
68.2850, 0.3501, 0.3429



Tritanopia

68.4358, 0.2819, 0.3086

Trichromacy



Original Color

68.7670, 0.3053, 0.3722

Protanomaly

67.9525, 0.3277, 0.3658

Deuteranomaly

68.0255, 0.3325, 0.3525

Tritanomaly

68.6872, 0.2902, 0.3312

Monochromacy



Original Color

68.7670, 0.3053, 0.3722

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.7029, 0.3098, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7670, 0.3053, 0.3722 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(183, 227, 191)` looks like.

```
.text, #text, p{  
    color:rgb(183, 227, 191)  
}
```

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(183, 227, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 191) }
```

Border

The CSS property to change the border of an element to Yxy 68.7670, 0.3053, 0.3722 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(183, 227, 191) }
```

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

```
.border{ border-color:rgb(183, 227, 191) }
```

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

Here you see how a box with a 4 pixel rgb(183, 227, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 227, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 227, 191);  
box-shadow:4px 4px 4px 4px rgb(183, 227,  
191) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.7670, 0.3053, 0.3722$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 191) }
```

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

```
.background{ background-color: rgb(183,  
227, 191) }
```

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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