

Converting Colors

$Yxy(66.8178, 0.3019, 0.3553)$

Have a look what the booklet for
Yxy(66.8178, 0.3019, 0.3553)
contains.

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Color

Yxy(66.8518, 0.3018, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	BADEC8
RGB	186, 222, 200
RGB Percent	73%, 87%, 78%
CMY	0.2705, 0.1294, 0.2157
CMYK	0.16, 0.00, 0.10, 0.13
HSL	143°, 35%, 80%
HSV	143°, 16%, 87%
XYZ	56.8014, 66.8518, 64.5557
YIQ	208.7280, -14.3940, -14.4740

Conversions

Conversions Part 2

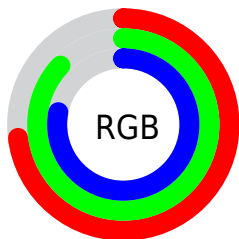
Format	Color
R_{YB}	186, 212, 222
Decimal	12246728
CIE _{Lab}	85.43, -16.04, 6.86
CIE _{LCh}	85, 17.443, 156.841
Yxy	66.8518, 0.3018, 0.3552
Android (android.graphics.Color)	4290436808 (0xFFBADEC8)
YUV	208.7280, -4.3029, -19.9325
Hunter-Lab	81.7630, -19.0796, 10.4219

Details

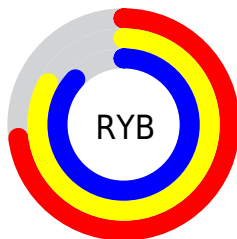
The Yxy color **66.8518, 0.3018, 0.3552** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.2141, 0.3254, 0.3042**, and the grayscale version is **63.6143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **34.6183, 0.2986, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **63.6794, 0.2954, 0.3739**, and if you desaturate by 10%, it is **70.5181, 0.3085, 0.3384**.

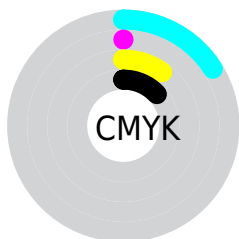
Distribution



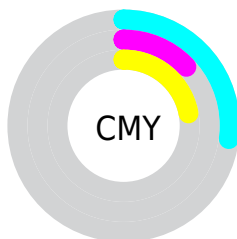
- Red (73%)
- Green (87%)
- Blue (78%)



- Red (73%)
- Yellow (83%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (27%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8518, 0.3018, 0.3552 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 66.8518, 0.3018, 0.3552 by changing the saturation by 10% instead.


 66.8518, 0.3018,
0.3552

 66.8518, 0.3018,
0.3552

449.4171, 0.3071,
0.3426

 48.9642, 0.3005,
0.3582


 114.7080, 0.3037,
0.3508

 34.5911, 0.2990,
0.3619

145.4454, 0.3044,
0.3491

 23.3481, 0.2969,
0.3668


181.2349, 0.3050,
0.3476

 14.8507, 0.2942,
0.3733

222.4609, 0.3055,
0.3463

 8.7147, 0.2903,
0.3826

269.5077, 0.3060,
0.3452

 4.5556, 0.2843,
0.3967

322.7597, 0.3064,

 1.9889, 0.2740,

0.3443

0.4207

382.6014, 0.3067,
0.3434

0.6010, 0.1881,
0.6290

0.0000, 0.0000,
0.0000

66.8518, 0.3018,
0.3552

66.8518, 0.3018,
0.3552

63.6794, 0.2954,
0.3739

70.5181, 0.3085,
0.3384

60.9712, 0.2894,
0.3944

74.6899, 0.3153,
0.3236

58.7070, 0.2843,
0.4166

79.3889, 0.3220,
0.3105

56.8619, 0.2804,
0.4400

80.6766, 0.3147,
0.2976

■ 55.4083, 0.2780,
0.4639

■ 80.7216, 0.3142,
0.2970

■ 54.3153, 0.2773,
0.4877

■ 53.5469, 0.2785,
0.5103

■ 53.0585, 0.2815,
0.5309

■ 52.9177, 0.2828,
0.5381

Harmonies

Analogous

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



66.8518, 0.3235, 0.3660



66.8518, 0.3018, 0.3552



66.8518, 0.2835, 0.3367

Triad

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



66.8518, 0.3018, 0.3552



66.8518, 0.2828, 0.2933



66.8518, 0.3541, 0.3391

Complementary

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



66.8518, 0.3018, 0.3552



55.2141, 0.3254, 0.3042

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.



66.8518, 0.3425, 0.3207



66.8518, 0.3018, 0.3552



66.8518, 0.3009, 0.2949

Square

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



66.8518, 0.3018, 0.3552



66.8518, 0.2728, 0.3009



66.8518, 0.3228, 0.3048



66.8518, 0.3542, 0.3556

Rectangle

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



66.8518, 0.3018, 0.3552



66.8518, 0.2754, 0.3231



66.8518, 0.3228, 0.3048



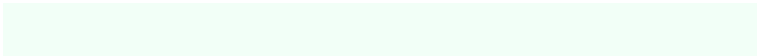
66.8518, 0.3514, 0.3329

Sweetspot

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



66.8546, 0.3018, 0.3552



97.1695, 0.3093, 0.3366



69.2283, 0.3267, 0.3704



20.7162, 0.3088, 0.3377



0.0000, 0.0000, 0.0000



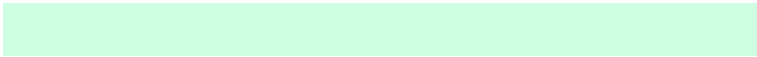
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8546, 0.3018, 0.3552



90.1775, 0.2999, 0.3605



67.7358, 0.2908, 0.3338



15.4250, 0.3063, 0.3437



31.4529, 0.2821, 0.5354



2.1973, 0.2734, 0.5041

Inverse Universe

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



55.2141, 0.3254, 0.3042



71.7341, 0.3282, 0.2995



54.3866, 0.3399, 0.3242



13.8407, 0.3197, 0.3148



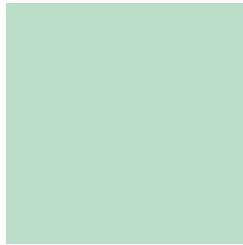
10.2981, 0.4488, 0.2246



0.7312, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 66.8518, 0.3018, 0.3552 looks on a white background.

Color Contrast Check

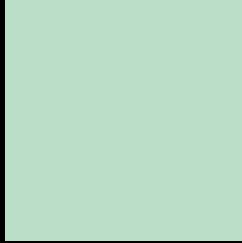
Large Text (above 18pt) WCAG AA × Fail

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 66.8518, 0.3018, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

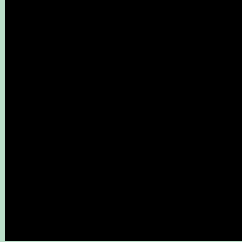
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

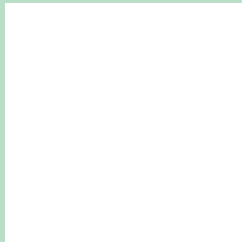
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8518, 0.3018, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 66.8518, 0.3018, 0.3552.

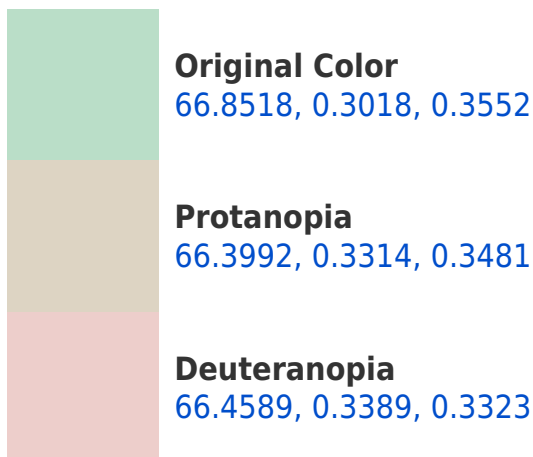


This preview shows how white text looks on a background with the Yxy color 66.8518, 0.3018, 0.3552.

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

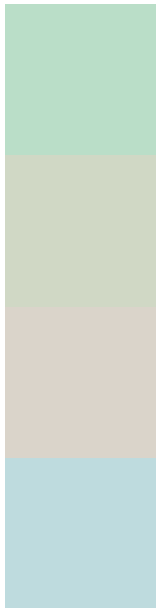




Tritanopia

66.7727, 0.2847, 0.3096

Trichromacy



Original Color

66.8518, 0.3018, 0.3552

Protanomaly

66.5528, 0.3197, 0.3509

Deuteranomaly

66.2567, 0.3242, 0.3403

Tritanomaly

66.8841, 0.2908, 0.3255

Monochromacy



Original Color

66.8518, 0.3018, 0.3552

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9669, 0.3086, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8518, 0.3018, 0.3552 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(186, 222, 200)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 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(186, 222, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 200) }
```

Border

The CSS property to change the border of an element to Yxy 66.8518, 0.3018, 0.3552 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(186, 222, 200) }
```

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

```
.border{ border-color:rgb(186, 222, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 200);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8518, 0.3018, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 200) }
```

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

```
.background{ background-color: rgb(186,  
222, 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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