

Converting Colors

Yxy(66.1241, 0.3170, 0.4180)

Have a look what the booklet for
Yxy(66.1241, 0.3170, 0.4180)
contains.

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Color

Yxy(65.9185, 0.3172, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	AAE39D
RGB	170, 227, 157
RGB Percent	67%, 89%, 62%
CMY	0.3334, 0.1098, 0.3842
CMYK	0.25, 0.00, 0.31, 0.11
HSL	109°, 56%, 75%
HSV	109°, 31%, 89%
XYZ	50.1303, 65.9185, 41.9912
YIQ	201.9770, -11.5020, -33.8540

Conversions

Conversions Part 2

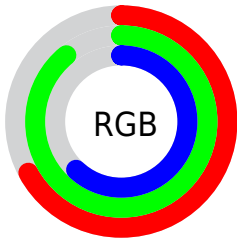
Format	Color
RYB	157, 227, 214
Decimal	11199389
CIELab	84.95, -31.17, 28.48
CIElCh	85, 42.225, 137.582
Yxy	65.9185, 0.3172, 0.4171
Android (android.graphics.Color)	4289389469 (0xFFAAE39D)
YUV	201.9770, -22.1737, -28.0438
Hunter-Lab	81.1902, -31.8693, 26.1686

Details

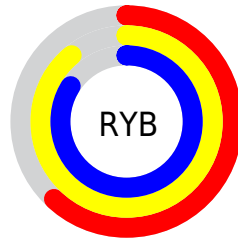
The Yxy color **65.9185, 0.3172, 0.4171** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.9750, 0.3050, 0.2499**, and the grayscale version is **59.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4422, 0.3193, 0.3736**, and **33.8587, 0.3166, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **63.2979, 0.3178, 0.4506**, and if you desaturate by 10%, it is **68.9789, 0.3161, 0.3856**.

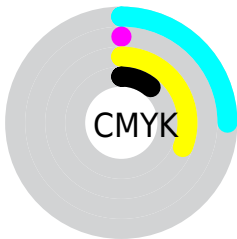
Distribution



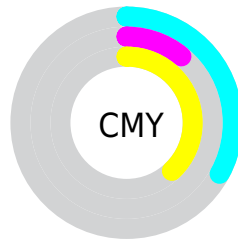
- Red (67%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (84%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)





- Cyan (33%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9185, 0.3172, 0.4171 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 65.9185, 0.3172, 0.4171 by changing the saturation by 10% instead.


 65.9185, 0.3172,
0.4171

 65.9185, 0.3172,
0.4171


446.0854, 0.3163,
0.3736

 48.2062, 0.3171,
0.4277

 113.3694, 0.3172,
0.4015

 33.9902, 0.3167,
0.4411

 143.8767, 0.3171,
0.3956

 22.8861, 0.3158,
0.4587

179.4180, 0.3169,
0.3905

 14.5094, 0.3140,
0.4825

220.3774, 0.3168,
0.3862

 8.4758, 0.3101,
0.5164

267.1395, 0.3167,
0.3824

 4.4009, 0.3012,
0.5676

320.0886, 0.3165,

 1.9003, 0.2995,

0.3791

0.7005

379.6091, 0.3164,
0.3762

■ 0.5485, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9185, 0.3172,
0.4171

■ 65.9185, 0.3172,
0.4171

■ 63.2979, 0.3178,
0.4506

■ 68.9789, 0.3161,
0.3856

■ 61.0887, 0.3177,
0.4847

■ 72.4894, 0.3146,
0.3568

■ 59.2720, 0.3168,
0.5176

■ 76.4704, 0.3129,
0.3310

■ 57.8240, 0.3149,
0.5470

■ 80.9387, 0.3111,
0.3082

■ 56.7185, 0.3121,
0.5707

■ 83.4226, 0.3140,
0.3019

■ 55.9251, 0.3086,
0.5870

■ 55.4349, 0.3055,
0.5957

Harmonies

Analogous

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



65.9185, 0.3677, 0.4230



65.9185, 0.3172, 0.4171



65.9185, 0.2679, 0.3799

Triad

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



65.9185, 0.3172, 0.4171



65.9185, 0.2257, 0.2530



65.9185, 0.3990, 0.3220

Complementary

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



65.9185, 0.3172, 0.4171



43.9750, 0.3050, 0.2499

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.



65.9185, 0.3548, 0.2845



65.9185, 0.3172, 0.4171



65.9185, 0.2547, 0.2458

Square

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



65.9185, 0.3172, 0.4171



65.9185, 0.2179, 0.2808



65.9185, 0.3011, 0.2574



65.9185, 0.4177, 0.3634

Rectangle

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



65.9185, 0.3172, 0.4171



65.9185, 0.2421, 0.3450



65.9185, 0.3011, 0.2574



65.9185, 0.3865, 0.3087

Sweetspot

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



65.9213, 0.3172, 0.4171



95.2327, 0.3143, 0.3520



66.3621, 0.3634, 0.3917



20.2290, 0.3145, 0.3560



0.0000, 0.0000, 0.0000



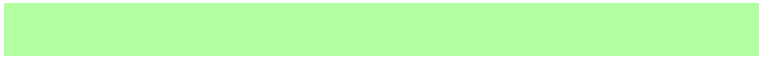
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9213, 0.3172, 0.4171



83.5586, 0.3177, 0.4384



65.3288, 0.2961, 0.3915



16.2168, 0.3143, 0.3531



32.3639, 0.3061, 0.5951



2.4285, 0.3152, 0.5879

Inverse Universe

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



43.9750, 0.3050, 0.2499



50.6856, 0.3028, 0.2331



44.9126, 0.3347, 0.2739



14.4734, 0.3108, 0.3056



9.2972, 0.2746, 0.1286



0.7221, 0.2817, 0.1326

Previews

White Background



This preview shows how the Yxy color 65.9185, 0.3172, 0.4171 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 65.9185, 0.3172, 0.4171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

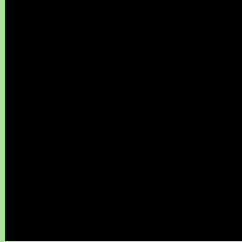
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9185, 0.3172, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 65.9185, 0.3172, 0.4171.



This preview shows how white text looks on a background with the Yxy color 65.9185, 0.3172, 0.4171.

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

65.9185, 0.3172, 0.4171

Protanopia

65.2845, 0.3700, 0.3973

Deuteranopia

65.2770, 0.3802, 0.3727



Tritanopia

65.6335, 0.2789, 0.3093

Trichromacy



Original Color

65.9185, 0.3172, 0.4171



Protanomaly

65.1910, 0.3491, 0.4043



Deuteranomaly

64.8407, 0.3560, 0.3885



Tritanomaly

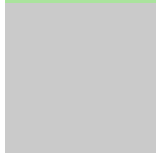
65.6341, 0.2927, 0.3470

Monochromacy



Original Color

65.9185, 0.3172, 0.4171



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.0809, 0.3143, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9185, 0.3172, 0.4171 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(170, 227, 157)` looks like.

```
.text, #text, p{  
    color:rgb(170, 227, 157)  
}
```

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(170, 227, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 227, 157) }
```

Border

The CSS property to change the border of an element to Yxy 65.9185, 0.3172, 0.4171 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(170, 227, 157) }
```

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

```
.border{ border-color:rgb(170, 227, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 227, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 227, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 227, 157);  
box-shadow:4px 4px 4px 4px rgb(170, 227,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9185, 0.3172, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 227, 157) }
```

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

```
.background{ background-color: rgb(170,  
227, 157) }
```

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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