

Converting Colors

$Yxy(68.7408, 0.3068, 0.3994)$

Have a look what the booklet for
Yxy(68.7408, 0.3068, 0.3994)
contains.

Yxy(68.7539, 0.3068, 0.3995)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.7539, 0.3068, 0.3995)

Conversions

Conversions Part 1

Format	Color
Hex	AAE7AE
RGB	170, 231, 174
RGB Percent	67%, 91%, 68%
CMY	0.3332, 0.0941, 0.3175
CMYK	0.26, 0.00, 0.25, 0.09
HSL	124°, 56%, 79%
HSV	124°, 26%, 91%
XYZ	52.8002, 68.7539, 50.5457
YIQ	206.2630, -18.0590, -30.6590

Conversions

Conversions Part 2

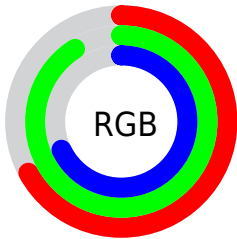
Format	Color
RYB	170, 227, 231
Decimal	11200430
CIELab	86.38, -30.28, 21.66
CIELCh	86, 37.227, 144.418
Yxy	68.7539, 0.3068, 0.3995
Android (android.graphics.Color)	4289390510 (0xFFAAE7AE)
YUV	206.2630, -15.9057, -31.8027
Hunter-Lab	82.9180, -31.4418, 21.9002

Details

The Yxy color **68.7539, 0.3068, 0.3995** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.2954, 0.3190, 0.2674**, and the grayscale version is **62.0177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4019, 0.3091, 0.3546**, and **35.7534, 0.3044, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **65.6285, 0.3045, 0.4316**, and if you desaturate by 10%, it is **72.4728, 0.3091, 0.3702**.

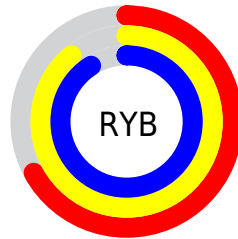
Distribution



Red (67%)

Green (91%)

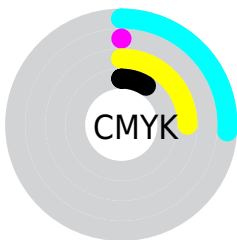
Blue (68%)



Red (67%)

Yellow (89%)

Blue (91%)

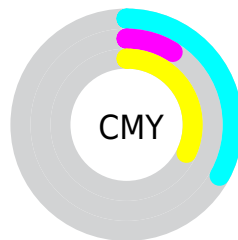


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (9%)



Cyan (33%)

Magenta (9%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7539, 0.3068, 0.3995 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 68.7539, 0.3068, 0.3995 by changing the saturation by 10% instead.


 68.7539, 0.3068,
0.3995

 68.7539, 0.3068,
0.3995


456.1625, 0.3103,
0.3651

 50.5113, 0.3058,
0.4078


 117.4300, 0.3082,
0.3872

 35.8198, 0.3044,
0.4184


148.6323, 0.3087,
0.3825

 24.2951, 0.3024,
0.4321


184.9233, 0.3091,
0.3785

 15.5527, 0.2994,
0.4507

226.6874, 0.3094,
0.3751

 9.2082, 0.2945,
0.4772

274.3090, 0.3097,
0.3721

 4.8772, 0.2858,
0.5178

328.1724, 0.3100,

 2.1754, 0.2736,

0.3695

0.5995

388.6621, 0.3102,
0.3671

0.7065, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.7539, 0.3068,
0.3995

68.7539, 0.3068,
0.3995

65.6285, 0.3045,
0.4316

72.4728, 0.3091,
0.3702

63.0576, 0.3023,
0.4656

76.8043, 0.3114,
0.3440

61.0115, 0.3005,
0.4997

81.7776, 0.3135,
0.3211

59.4539, 0.2992,
0.5319

85.6302, 0.3138,
0.3058

■ 58.3439, 0.2984,
0.5597

■ 57.6341, 0.2984,
0.5807

■ 57.2656, 0.2990,
0.5938

■ 57.1852, 0.2991,
0.5967

Harmonies

Analogous

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



68.7539, 0.3518, 0.4117



68.7539, 0.3068, 0.3995



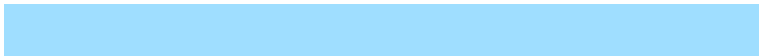
68.7539, 0.2653, 0.3631

Triad

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



68.7539, 0.3068, 0.3995



68.7539, 0.2405, 0.2594



68.7539, 0.3936, 0.3317

Complementary

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



68.7539, 0.3068, 0.3995



51.2954, 0.3190, 0.2674

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.



68.7539, 0.3594, 0.2969



68.7539, 0.3068, 0.3995



68.7539, 0.2703, 0.2566

Square

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



68.7539, 0.3068, 0.3995



68.7539, 0.2291, 0.2803



68.7539, 0.3134, 0.2702



68.7539, 0.4040, 0.3681

Rectangle

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



68.7539, 0.3068, 0.3995



68.7539, 0.2449, 0.3327



68.7539, 0.3134, 0.2702



68.7539, 0.3844, 0.3196

Sweetspot

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



68.7568, 0.3068, 0.3995



95.1667, 0.3110, 0.3481



76.5393, 0.3503, 0.3954



20.1875, 0.3107, 0.3519



0.0000, 0.0000, 0.0000



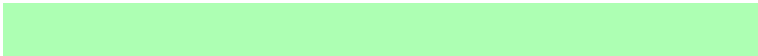
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7568, 0.3068, 0.3995



83.6945, 0.3055, 0.4178



70.0384, 0.2895, 0.3620



16.1044, 0.3107, 0.3517



32.0660, 0.2988, 0.5957



2.3750, 0.2955, 0.5838

Inverse Universe

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



51.2954, 0.3190, 0.2674



58.1809, 0.3206, 0.2539



49.8020, 0.3442, 0.2983



14.5981, 0.3148, 0.3073



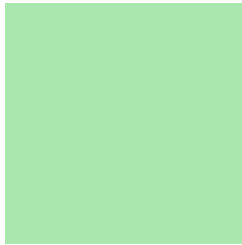
12.3067, 0.3380, 0.1636



0.9144, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 68.7539, 0.3068, 0.3995 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 68.7539, 0.3068, 0.3995 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 68.7539, 0.3068, 0.3995

Background



This preview shows how black text looks on a background with the Yxy color 68.7539, 0.3068, 0.3995.



This preview shows how white text looks on a background with the Yxy color 68.7539, 0.3068, 0.3995.

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

68.7539, 0.3068, 0.3995

Protanopia

68.2139, 0.3581, 0.3822

Deuteranopia

68.0201, 0.3666, 0.3587



Tritanopia

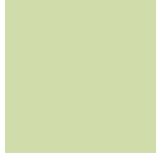
68.4789, 0.2753, 0.3084

Trichromacy



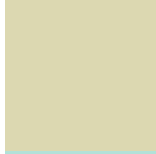
Original Color

68.7539, 0.3068, 0.3995



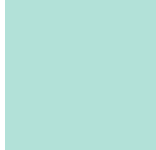
Protanomaly

68.0251, 0.3375, 0.3883



Deuteranomaly

67.5017, 0.3428, 0.3732



Tritanomaly

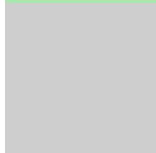
68.2733, 0.2869, 0.3396

Monochromacy



Original Color

68.7539, 0.3068, 0.3995



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.8334, 0.3108, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7539, 0.3068, 0.3995 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, 231, 174)` looks like.

```
.text, #text, p{  
    color:rgb(170, 231, 174)  
}
```

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, 231, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 231, 174) }
```

Border

The CSS property to change the border of an element to Yxy 68.7539, 0.3068, 0.3995 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, 231, 174) }
```

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

```
.border{ border-color:rgb(170, 231, 174) }
```

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

Here you see how a box with a 4 pixel rgb(170, 231, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 231, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 231, 174);  
box-shadow:4px 4px 4px 4px rgb(170, 231,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7539, 0.3068, 0.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 231, 174) }
```

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

```
.background{ background-color: rgb(170,  
231, 174) }
```

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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