

Converting Colors

$Yxy(62.5768, 0.3099, 0.4062)$

Have a look what the booklet for
Yxy(62.5768, 0.3099, 0.4062)
contains.

Yxy(62.6377, 0.3098, 0.4064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.6377, 0.3098, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	A3DEA2
RGB	163, 222, 162
RGB Percent	64%, 87%, 64%
CMY	0.3607, 0.1294, 0.3648
CMYK	0.27, 0.00, 0.27, 0.13
HSL	119°, 48%, 75%
HSV	119°, 27%, 87%
XYZ	47.7489, 62.6377, 43.7416
YIQ	197.5190, -15.9040, -31.1680

Conversions

Conversions Part 2

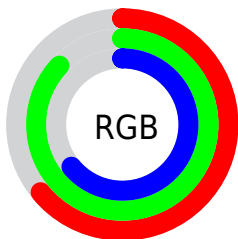
Format	Color
RYB	162, 222, 221
Decimal	10739362
CIELab	83.25, -30.33, 23.55
CIELCh	83, 38.400, 142.173
Yxy	62.6377, 0.3098, 0.4064
Android (android.graphics.Color)	4288929442 (0xFFFA3DEA2)
YUV	197.5190, -17.5109, -30.2732
Hunter-Lab	79.1440, -30.8099, 22.6322

Details

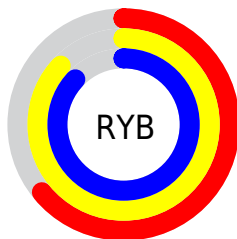
The Yxy color **62.6377, 0.3098, 0.4064** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.4679, 0.3149, 0.2618**, and the grayscale version is **56.2833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5898, 0.3121, 0.3688**, and **32.0782, 0.3080, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **59.8119, 0.3084, 0.4407**, and if you desaturate by 10%, it is **66.0052, 0.3110, 0.3749**.

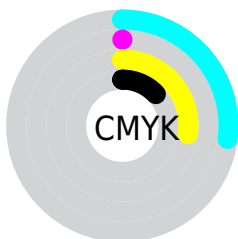
Distribution



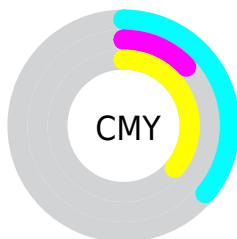
- Red (64%)
- Green (87%)
- Blue (64%)



- Red (64%)
- Yellow (87%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)



- Cyan (36%)
- Magenta (13%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.6377, 0.3098, 0.4064 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 62.6377, 0.3098, 0.4064 by changing the saturation by 10% instead.


 62.6377, 0.3098,
0.4064

 62.6377, 0.3098,
0.4064


434.2534, 0.3121,
0.3679

 45.5482, 0.3090,
0.4159

 108.6467, 0.3108,
0.3925

 31.8894, 0.3078,
0.4280


 138.3349, 0.3112,
0.3872

 21.2771, 0.3060,
0.4440


172.9914, 0.3114,
0.3828

 13.3267, 0.3030,
0.4659

213.0008, 0.3116,
0.3790

 7.6539, 0.2978,
0.4976

258.7472, 0.3118,
0.3757

 3.8743, 0.2876,
0.5473


310.6152, 0.3119,

 1.6035, 0.2897,

0.3728

0.7103


368.9892, 0.3120,
0.3702


 0.3599, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 62.6377, 0.3098,
0.4064

 62.6377, 0.3098,
0.4064


 59.8119, 0.3084,
0.4407


 66.0052, 0.3110,
0.3749


 57.4921, 0.3069,
0.4764

 69.9321, 0.3121,
0.3467

 55.6507, 0.3053,
0.5117

 74.4452, 0.3130,
0.3220

 54.2545, 0.3037,
0.5439

 79.5670, 0.3137,
0.3007

■ 53.2658, 0.3023,
0.5701

■ 80.7233, 0.3142,
0.2970

■ 52.6407, 0.3011,
0.5884

■ 52.3246, 0.3004,
0.5979

■ 52.2685, 0.3003,
0.5998

Harmonies

Analogous

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



62.6377, 0.3574, 0.4169



62.6377, 0.3098, 0.4064



62.6377, 0.2652, 0.3689

Triad

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



62.6377, 0.3098, 0.4064



62.6377, 0.2346, 0.2561



62.6377, 0.3969, 0.3287

Complementary

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



62.6377, 0.3098, 0.4064



46.4679, 0.3149, 0.2618

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.



62.6377, 0.3590, 0.2925



62.6377, 0.3098, 0.4064



62.6377, 0.2647, 0.2520

Square

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



62.6377, 0.3098, 0.4064



62.6377, 0.2241, 0.2794



62.6377, 0.3096, 0.2652



62.6377, 0.4100, 0.3673

Rectangle

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



62.6377, 0.3098, 0.4064



62.6377, 0.2428, 0.3364



62.6377, 0.3096, 0.2652



62.6377, 0.3865, 0.3160

Sweetspot

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



62.6404, 0.3098, 0.4064



95.1503, 0.3120, 0.3495



69.3241, 0.3540, 0.3943



20.1834, 0.3118, 0.3536



0.0000, 0.0000, 0.0000



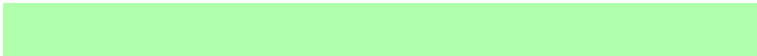
21.4041, 0.3127, 0.3290

Same Dimension

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



62.6404, 0.3098, 0.4064



83.6477, 0.3091, 0.4240



63.6387, 0.2920, 0.3694



15.3487, 0.3118, 0.3532



31.0510, 0.3004, 0.5997



2.1564, 0.3016, 0.5987

Inverse Universe

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



46.4679, 0.3149, 0.2618



58.2494, 0.3153, 0.2489



45.2547, 0.3405, 0.2919



13.9227, 0.3135, 0.3059



12.0001, 0.3166, 0.1518



0.8358, 0.3173, 0.1521

Previews

White Background



This preview shows how the Yxy color 62.6377, 0.3098, 0.4064 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 62.6377, 0.3098, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

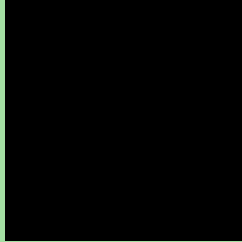
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.6377, 0.3098, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 62.6377, 0.3098, 0.4064.



This preview shows how white text looks on a background with the Yxy color 62.6377, 0.3098, 0.4064.

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

62.6377, 0.3098, 0.4064

Protanopia

61.8813, 0.3622, 0.3877

Deuteranopia

62.1621, 0.3710, 0.3641



Tritanopia

62.4156, 0.2758, 0.3088

Trichromacy



Original Color

62.6377, 0.3098, 0.4064



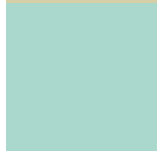
Protanomaly

61.8349, 0.3414, 0.3943



Deuteranomaly

61.3393, 0.3471, 0.3785



Tritanomaly

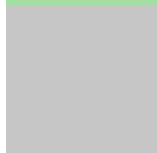
62.1774, 0.2885, 0.3425

Monochromacy



Original Color

62.6377, 0.3098, 0.4064



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.4427, 0.3114, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.6377, 0.3098, 0.4064 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(163, 222, 162)` looks like.

```
.text, #text, p{  
    color:rgb(163, 222, 162)  
}
```

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(163, 222, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 222, 162) }
```

Border

The CSS property to change the border of an element to Yxy 62.6377, 0.3098, 0.4064 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(163, 222, 162) }
```

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

```
.border{ border-color:rgb(163, 222, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 222, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 222, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 222, 162); box-shadow:4px 4px 4px 4px rgb(163, 222, 162) }
```


Background

The CSS property to change the background color of an element to Yxy 62.6377, 0.3098, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 222, 162) }
```

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

```
.background{ background-color: rgb(163,  
222, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor