

Converting Colors

$Yxy(63.7011, 0.2994, 0.4075)$

Have a look what the booklet for
Yxy(63.7011, 0.2994, 0.4075)
contains.

Yxy(63.7252, 0.2994, 0.4073)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7252, 0.2994, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	97E2A6
RGB	151, 226, 166
RGB Percent	59%, 89%, 65%
CMY	0.4077, 0.1137, 0.3492
CMYK	0.33, 0.00, 0.27, 0.11
HSL	132°, 56%, 74%
HSV	132°, 33%, 89%
XYZ	46.8434, 63.7252, 45.8890
YIQ	196.7350, -25.4400, -34.5600

Conversions

Conversions Part 2

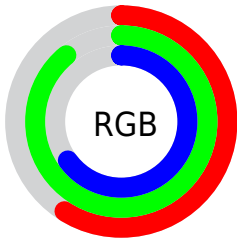
Format	Color
RYB	151, 214, 226
Decimal	9953958
CIELab	83.82, -35.32, 22.16
CIELCh	84, 41.696, 147.899
Yxy	63.7252, 0.2994, 0.4073
Android (android.graphics.Color)	4288144038 (0xFF97E2A6)
YUV	196.7350, -15.1524, -40.1096
Hunter-Lab	79.8281, -34.9546, 21.7969

Details

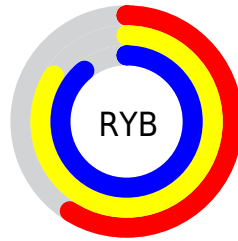
The Yxy color **63.7252, 0.2994, 0.4073** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0199, 0.3298, 0.2618**, and the grayscale version is **55.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0059, 0.3025, 0.3653**, and **32.5057, 0.2945, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **61.1502, 0.2959, 0.4361**, and if you desaturate by 10%, it is **66.8135, 0.3033, 0.3807**.

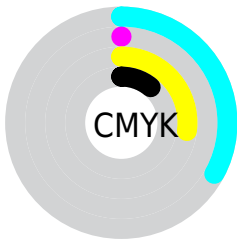
Distribution



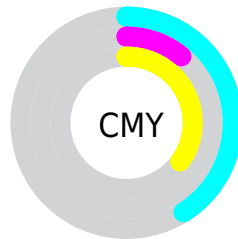
- Red (59%)
- Green (89%)
- Blue (65%)



- Red (59%)
- Yellow (84%)
- Blue (89%)



- Cyan (33%)
- Magenta (0%)
- Yellow (27%)
- Black (11%)




- Cyan (41%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7252, 0.2994, 0.4073 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 63.7252, 0.2994, 0.4073 by changing the saturation by 10% instead.


 63.7252, 0.2994,
0.4073


 63.7252, 0.2994,
0.4073

438.1966, 0.3067,
0.3683

 46.4281, 0.2974,
0.4169


 110.2151, 0.3022,
0.3932

 32.5838, 0.2948,
0.4292


 140.1767, 0.3032,
0.3879

 21.8078, 0.2911,
0.4454


175.1286, 0.3040,
0.3834

 13.7157, 0.2858,
0.4677

215.4552, 0.3047,
0.3795

 7.9232, 0.2773,
0.5002

261.5409, 0.3053,
0.3762

 4.0459, 0.2624,
0.5511

313.7702, 0.3058,

 1.6993, 0.2459,

0.3732

0.7055

372.5272, 0.3063,
0.3706

■ 0.4232, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7252, 0.2994,
0.4073

■ 63.7252, 0.2994,
0.4073

■ 61.1502, 0.2959,
0.4361

■ 66.8135, 0.3033,
0.3807

■ 59.0529, 0.2932,
0.4662

■ 70.4326, 0.3073,
0.3566

■ 57.4055, 0.2914,
0.4964

■ 74.6090, 0.3114,
0.3352

■ 56.1744, 0.2907,
0.5252

■ 79.3651, 0.3154,
0.3165

■ 55.3206, 0.2914,
0.5506

■ 82.8735, 0.3140,
0.3009

■ 54.7978, 0.2933,
0.5711

■ 54.5830, 0.2950,
0.5818

Harmonies

Analogous

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



63.7252, 0.3511, 0.4245



63.7252, 0.2994, 0.4073



63.7252, 0.2537, 0.3623

Triad

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



63.7252, 0.2994, 0.4073



63.7252, 0.2335, 0.2483



63.7252, 0.4088, 0.3361

Complementary

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



63.7252, 0.2994, 0.4073



43.0199, 0.3298, 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.



63.7252, 0.3719, 0.2965



63.7252, 0.2994, 0.4073



63.7252, 0.2691, 0.2479

Square

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



63.7252, 0.2994, 0.4073



63.7252, 0.2182, 0.2690



63.7252, 0.3194, 0.2652



63.7252, 0.4167, 0.3771

Rectangle

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



63.7252, 0.2994, 0.4073



63.7252, 0.2322, 0.3266



63.7252, 0.3194, 0.2652



63.7252, 0.3993, 0.3224

Sweetspot

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



63.7279, 0.2994, 0.4073



94.2342, 0.3086, 0.3497



70.6643, 0.3521, 0.4146



20.0096, 0.3080, 0.3528



0.0000, 0.0000, 0.0000



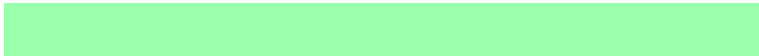
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7279, 0.2994, 0.4073



81.3216, 0.2969, 0.4275



65.2527, 0.2785, 0.3588



15.3817, 0.3089, 0.3483



31.1526, 0.2943, 0.5796



2.1720, 0.2866, 0.5517

Inverse Universe

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



43.0199, 0.3298, 0.2618



50.0226, 0.3345, 0.2476



41.3994, 0.3652, 0.3014



13.8864, 0.3168, 0.3104



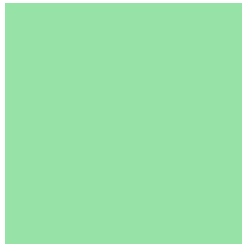
11.1447, 0.3785, 0.1859



0.7845, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 63.7252, 0.2994, 0.4073 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 63.7252, 0.2994, 0.4073 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 63.7252, 0.2994, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 63.7252, 0.2994, 0.4073.

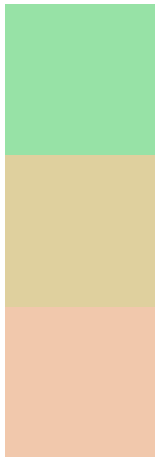


This preview shows how white text looks on a background with the Yxy color 63.7252, 0.2994, 0.4073.

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

63.7252, 0.2994, 0.4073

Protanopia

63.2683, 0.3610, 0.3861

Deuteranopia

62.9879, 0.3675, 0.3596



Tritanopia

63.5656, 0.2679, 0.3086

Trichromacy



Original Color

63.7252, 0.2994, 0.4073



Protanomaly

63.0444, 0.3363, 0.3944



Deuteranomaly

61.9131, 0.3398, 0.3752



Tritanomaly

63.2634, 0.2794, 0.3426

Monochromacy



Original Color

63.7252, 0.2994, 0.4073



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.3602, 0.3070, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7252, 0.2994, 0.4073 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(151, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(151, 226, 166)  
}
```

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(151, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 226, 166) }
```

Border

The CSS property to change the border of an element to Yxy 63.7252, 0.2994, 0.4073 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(151, 226, 166) }
```

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

```
.border{ border-color:rgb(151, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(151, 226,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7252, 0.2994, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 226, 166) }
```

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

```
.background{ background-color: rgb(151,  
226, 166) }
```

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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