

Converting Colors

Yxy(61.4968, 0.2991, 0.4023)

Have a look what the booklet for
Yxy(61.4968, 0.2991, 0.4023)
contains.

Yxy(61.5750, 0.2993, 0.4027)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(61.5750, 0.2993, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	97DEA6
RGB	151, 222, 166
RGB Percent	59%, 87%, 65%
CMY	0.4080, 0.1294, 0.3489
CMYK	0.32, 0.00, 0.25, 0.13
HSL	133°, 52%, 73%
HSV	133°, 32%, 87%
XYZ	45.7646, 61.5750, 45.5658
YIQ	194.3870, -24.3400, -32.4680

Conversions

Conversions Part 2

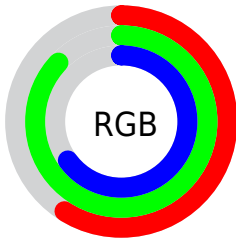
Format	Color
RYB	151, 210, 222
Decimal	9952934
CIELab	82.69, -33.48, 20.55
CIELCh	83, 39.287, 148.456
Yxy	61.5750, 0.2993, 0.4027
Android (android.graphics.Color)	4288143014 (0xFF97DEA6)
YUV	194.3870, -13.9948, -38.0504
Hunter-Lab	78.4697, -33.2185, 20.5003

Details

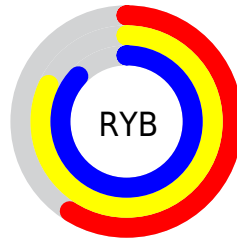
The Yxy color **61.5750, 0.2993, 0.4027** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.1559, 0.3299, 0.2652**, and the grayscale version is **54.2841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0059, 0.3025, 0.3653**, and **31.0287, 0.2943, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **59.0511, 0.2957, 0.4308**, and if you desaturate by 10%, it is **64.5913, 0.3034, 0.3768**.

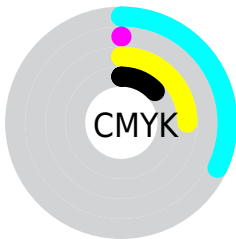
Distribution



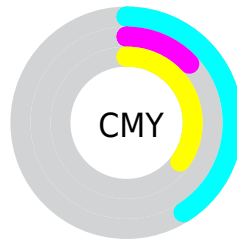
- Red (59%)
- Green (87%)
- Blue (65%)



- Red (59%)
- Yellow (82%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)




- Cyan (41%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5750, 0.2993, 0.4027 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 61.5750, 0.2993, 0.4027 by changing the saturation by 10% instead.


 61.5750, 0.2993,
0.4027

 61.5750, 0.2993,
0.4027


430.3791, 0.3066,
0.3659

 44.6894, 0.2973,
0.4118


 107.1111, 0.3021,
0.3893

 31.2128, 0.2947,
0.4235


 136.5303, 0.3031,
0.3843

 20.7610, 0.2911,
0.4390


170.8961, 0.3039,
0.3801

 12.9494, 0.2859,
0.4605

210.5931, 0.3046,
0.3764

 7.3937, 0.2775,
0.4918

256.0054, 0.3052,
0.3733

 3.7095, 0.2629,
0.5418

307.5176, 0.3057,

 1.5124, 0.2439,

0.3705

0.7126

365.5141, 0.3062,
0.3681

0.2975, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.5750, 0.2993,
0.4027

61.5750, 0.2993,
0.4027

59.0511, 0.2957,
0.4308

64.5913, 0.3034,
0.3768

56.9859, 0.2927,
0.4603


68.1162, 0.3076,
0.3535

55.3535, 0.2907,
0.4902


72.1749, 0.3119,
0.3328

54.1221, 0.2899,
0.5189


76.7884, 0.3160,
0.3147

 53.2556, 0.2905,
0.5448

 80.6303, 0.3152,
0.2984

 52.7110, 0.2923,
0.5662

 80.7268, 0.3142,
0.2970

 52.4528, 0.2943,
0.5795

Harmonies

Analogous

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



61.5750, 0.3487, 0.4199



61.5750, 0.2993, 0.4027



61.5750, 0.2557, 0.3598

Triad

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



61.5750, 0.2993, 0.4027



61.5750, 0.2374, 0.2517



61.5750, 0.4046, 0.3368

Complementary

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



61.5750, 0.2993, 0.4027



42.1559, 0.3299, 0.2652

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.



61.5750, 0.3700, 0.2987



61.5750, 0.2993, 0.4027



61.5750, 0.2719, 0.2514

Square

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



61.5750, 0.2993, 0.4027



61.5750, 0.2223, 0.2713



61.5750, 0.3202, 0.2684



61.5750, 0.4118, 0.3760

Rectangle

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



61.5750, 0.2993, 0.4027



61.5750, 0.2353, 0.3260



61.5750, 0.3202, 0.2684



61.5750, 0.3957, 0.3236

Sweetspot

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



61.5776, 0.2993, 0.4027



94.2533, 0.3084, 0.3493



67.8611, 0.3498, 0.4117



20.0142, 0.3078, 0.3524



0.0000, 0.0000, 0.0000



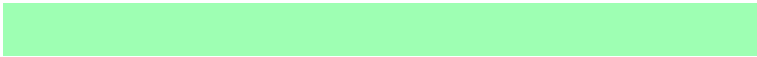
21.4041, 0.3127, 0.3290

Same Dimension

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



61.5776, 0.2993, 0.4027



82.0399, 0.2969, 0.4201



63.0258, 0.2789, 0.3560



15.3846, 0.3087, 0.3480



31.1667, 0.2937, 0.5774



2.1734, 0.2858, 0.5488

Inverse Universe

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



42.1559, 0.3299, 0.2652



51.7141, 0.3342, 0.2527



40.6431, 0.3638, 0.3039



13.8832, 0.3170, 0.3107



11.0776, 0.3828, 0.1883



0.7804, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 61.5750, 0.2993, 0.4027 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 61.5750, 0.2993, 0.4027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

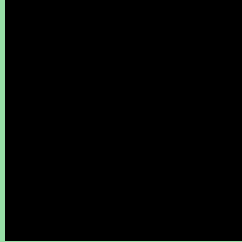
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.5750, 0.2993, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 61.5750, 0.2993, 0.4027.

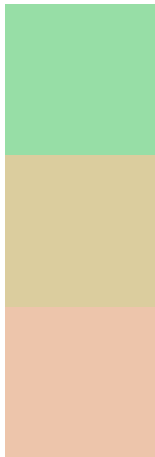


This preview shows how white text looks on a background with the Yxy color 61.5750, 0.2993, 0.4027.

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

61.5750, 0.2993, 0.4027

Protanopia

61.1913, 0.3586, 0.3835

Deuteranopia

60.8773, 0.3659, 0.3579



Tritanopia

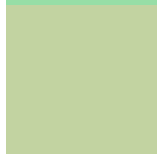
61.2505, 0.2685, 0.3072

Trichromacy



Original Color

61.5750, 0.2993, 0.4027



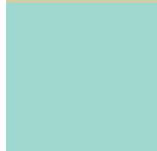
Protanomaly

60.6311, 0.3347, 0.3904



Deuteranomaly

60.1290, 0.3395, 0.3733



Tritanomaly

60.9877, 0.2796, 0.3402

Monochromacy



Original Color

61.5750, 0.2993, 0.4027



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.1114, 0.3070, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5750, 0.2993, 0.4027 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, 222, 166)` looks like.

```
.text, #text, p{  
    color:rgb(151, 222, 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, 222, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 222, 166) }
```

Border

The CSS property to change the border of an element to Yxy 61.5750, 0.2993, 0.4027 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, 222, 166) }
```

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

```
.border{ border-color:rgb(151, 222, 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, 222, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 222, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 222, 166); box-shadow:4px 4px 4px 4px rgb(151, 222, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5750, 0.2993, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 222, 166) }
```

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

```
.background{ background-color: rgb(151,  
222, 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](#).

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