

Converting Colors

Yxy(61.7421, 0.3065, 0.4454)

Have a look what the booklet for
Yxy(61.7421, 0.3065, 0.4454)
contains.

Yxy(61.7751, 0.3067, 0.4449)	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(61.7751, 0.3067, 0.4449)

Conversions

Conversions Part 1

Format	Color
Hex	8BE28C
RGB	139, 226, 140
RGB Percent	55%, 89%, 55%
CMY	0.4546, 0.1137, 0.4510
CMYK	0.38, 0.00, 0.38, 0.11
HSL	121°, 60%, 72%
HSV	121°, 38%, 89%
XYZ	42.5858, 61.7751, 34.4908
YIQ	190.1830, -24.2460, -45.1900

Conversions

Conversions Part 2

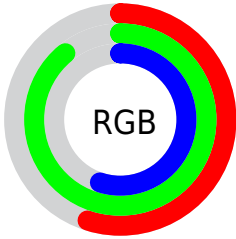
Format	Color
RYB	139, 225, 226
Decimal	9167500
CIELab	82.79, -43.23, 34.00
CIElCh	83, 55.001, 141.820
Yxy	61.7751, 0.3067, 0.4449
Android (android.graphics.Color)	4287357580 (0xFF8BE28C)
YUV	190.1830, -24.7402, -44.8875
Hunter-Lab	78.5971, -40.8294, 28.9998

Details

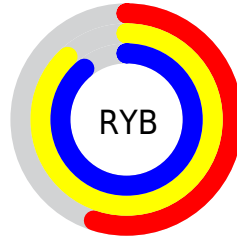
The Yxy color **61.7751, 0.3067, 0.4449** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.0920, 0.3180, 0.2352**, and the grayscale version is **51.7691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1508, 0.3107, 0.3967**, and **31.3555, 0.3021, 0.4776** is the 20% darker color. If you saturate the color by 10%, you get **59.4342, 0.3049, 0.4806**, and if you desaturate by 10%, it is **64.6574, 0.3084, 0.4105**.

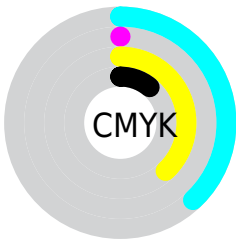
Distribution



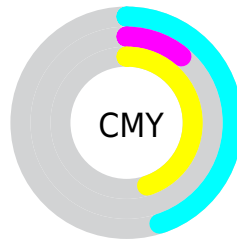
- Red (55%)
- Green (89%)
- Blue (55%)



- Red (55%)
- Yellow (88%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)



- Cyan (45%)
- Magenta (11%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7751, 0.3067, 0.4449 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 61.7751, 0.3067, 0.4449 by changing the saturation by 10% instead.

61.7751, 0.3067,
0.4449

61.7751, 0.3067,
0.4449

431.1103, 0.3117,
0.3863

44.8510, 0.3049,
0.4596

107.4004, 0.3090,
0.4235

31.3401, 0.3022,
0.4783

136.8704, 0.3097,
0.4155

20.8579, 0.2980,
0.5031

171.2912, 0.3102,
0.4087

13.0202, 0.2912,
0.5371

211.0471, 0.3106,
0.4030

7.4425, 0.2792,
0.5858

256.5226, 0.3110,
0.3979

3.7403, 0.2606,
0.6727

308.1020, 0.3113,

1.5294, 0.1597,

0.3935

0.8403

366.1698, 0.3115,
0.3897

0.3093, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.7751, 0.3067,
0.4449

61.7751, 0.3067,
0.4449

59.4342, 0.3049,
0.4806

64.6574, 0.3084,
0.4105

57.5936, 0.3033,
0.5156


68.1034, 0.3101,
0.3788


56.2193, 0.3019,
0.5472

72.1439, 0.3116,
0.3503

55.2695, 0.3008,
0.5726

76.8051, 0.3129,
0.3254

 54.6948, 0.3002,
0.5898

 82.1115, 0.3141,
0.3038

 54.4246, 0.2999,
0.5985

 82.8693, 0.3140,
0.3009

 54.3947, 0.2999,
0.5995

Harmonies

Analogous

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



61.7751, 0.3738, 0.4558



61.7751, 0.3067, 0.4449



61.7751, 0.2448, 0.3882

Triad

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



61.7751, 0.3067, 0.4449



61.7751, 0.2043, 0.2272



61.7751, 0.4339, 0.3250

Complementary

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



61.7751, 0.3067, 0.4449



40.0920, 0.3180, 0.2352

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.



61.7751, 0.3778, 0.2770



61.7751, 0.3067, 0.4449



61.7751, 0.2439, 0.2230

Square

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



61.7751, 0.3067, 0.4449



61.7751, 0.1905, 0.2573



61.7751, 0.3061, 0.2410



61.7751, 0.4518, 0.3775

Rectangle

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



61.7751, 0.3067, 0.4449



61.7751, 0.2146, 0.3386



61.7751, 0.3061, 0.2410



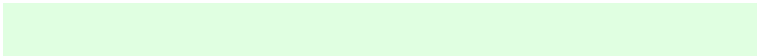
61.7751, 0.4186, 0.3081

Sweetspot

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



61.7777, 0.3067, 0.4449



92.8528, 0.3110, 0.3602



72.4231, 0.3703, 0.4242



19.7232, 0.3109, 0.3639



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.



61.7777, 0.3067, 0.4449



78.7607, 0.3053, 0.4729



63.2835, 0.2827, 0.3860



15.3396, 0.3114, 0.3530



31.0352, 0.2998, 0.5993



2.1520, 0.2992, 0.5971

Inverse Universe

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



40.0920, 0.3180, 0.2352



46.4899, 0.3190, 0.2177



38.0520, 0.3598, 0.2789



13.9330, 0.3140, 0.3062



12.2824, 0.3236, 0.1556



0.8522, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 61.7751, 0.3067, 0.4449 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 61.7751, 0.3067, 0.4449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

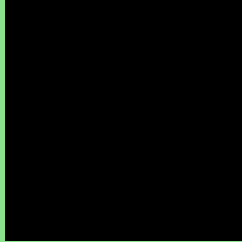
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.7751, 0.3067, 0.4449

Background



This preview shows how black text looks on a background with the Yxy color 61.7751, 0.3067, 0.4449.



This preview shows how white text looks on a background with the Yxy color 61.7751, 0.3067, 0.4449.

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

61.7751, 0.3067, 0.4449

Protanopia

61.0166, 0.3811, 0.4121

Deuteranopia

60.6411, 0.3906, 0.3822



Tritanopia

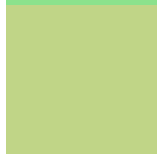
61.5952, 0.2641, 0.3083

Trichromacy



Original Color

61.7751, 0.3067, 0.4449



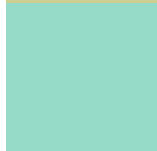
Protanomaly

60.5442, 0.3504, 0.4251



Deuteranomaly

59.6184, 0.3567, 0.4048



Tritanomaly

61.2706, 0.2790, 0.3546

Monochromacy



Original Color

61.7751, 0.3067, 0.4449



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.3484, 0.3101, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.7751, 0.3067, 0.4449 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(139, 226, 140)` looks like.

```
.text, #text, p{  
    color:rgb(139, 226, 140)  
}
```

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(139, 226, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 226, 140) }
```

Border

The CSS property to change the border of an element to Yxy 61.7751, 0.3067, 0.4449 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(139, 226, 140) }
```

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

```
.border{ border-color:rgb(139, 226, 140) }
```

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

Here you see how a box with a 4 pixel rgb(139, 226, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 226, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 226, 140);  
box-shadow:4px 4px 4px 4px rgb(139, 226,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 61.7751, 0.3067, 0.4449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 226, 140) }
```

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

```
.background{ background-color: rgb(139,  
226, 140) }
```

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