

Converting Colors

Yxy(62.8024, 0.3047, 0.4431)

Have a look what the booklet for
Yxy(62.8024, 0.3047, 0.4431)
contains.

Yxy(62.8732, 0.3043, 0.4431)	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(62.8732, 0.3043, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	8AE48F
RGB	138, 228, 143
RGB Percent	54%, 89%, 56%
CMY	0.4589, 0.1058, 0.4392
CMYK	0.39, 0.00, 0.37, 0.11
HSL	123°, 63%, 72%
HSV	123°, 39%, 89%
XYZ	43.1783, 62.8732, 35.8424
YIQ	191.4000, -26.3550, -45.5150

Conversions

Conversions Part 2

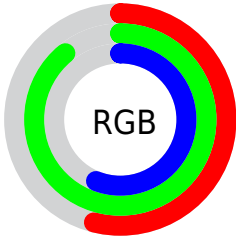
Format	Color
RYB	138, 223, 228
Decimal	9102479
CIELab	83.38, -43.98, 33.24
CIELCh	83, 55.127, 142.913
Yxy	62.8732, 0.3043, 0.4431
Android (android.graphics.Color)	4287292559 (0xFF8AE48F)
YUV	191.4000, -23.8612, -46.8318
Hunter-Lab	79.2926, -41.5610, 28.7042

Details

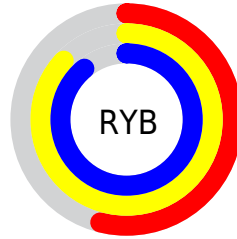
The Yxy color **62.8732, 0.3043, 0.4431** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.9916, 0.3218, 0.2366**, and the grayscale version is **52.4946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1533, 0.3085, 0.3934**, and **32.0716, 0.2988, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **60.5403, 0.3023, 0.4776**, and if you desaturate by 10%, it is **65.7448, 0.3065, 0.4100**.

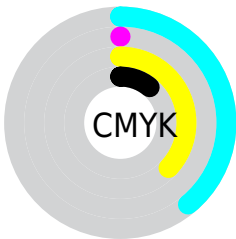
Distribution



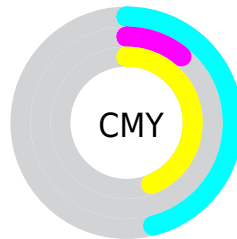
- Red (54%)
- Green (89%)
- Blue (56%)



- Red (54%)
- Yellow (87%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)




- Cyan (46%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8732, 0.3043, 0.4431 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 62.8732, 0.3043, 0.4431 by changing the saturation by 10% instead.

 62.8732, 0.3043,
0.4431


 62.8732, 0.3043,
0.4431


435.1092, 0.3103,
0.3855

 45.7386, 0.3023,
0.4575


 108.9866, 0.3069,
0.4221

 32.0396, 0.2993,
0.4758


 138.7341, 0.3078,
0.4143

 21.3918, 0.2949,
0.5001


173.4549, 0.3084,
0.4076

 13.4107, 0.2879,
0.5333

213.5331, 0.3090,
0.4019

 7.7119, 0.2758,
0.5810

259.3532, 0.3094,
0.3970

 3.9112, 0.2555,
0.6611

311.2997, 0.3098,

 1.6240, 0.1705,

0.3927

0.8295

369.7569, 0.3101,
0.3889

0.3737, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8732, 0.3043,
0.4431

62.8732, 0.3043,
0.4431

60.5403, 0.3023,
0.4776

65.7448, 0.3065,
0.4100

58.7052, 0.3006,
0.5116

69.1772, 0.3087,
0.3794

57.3340, 0.2994,
0.5427

73.2010, 0.3108,
0.3520

56.3850, 0.2988,
0.5684

77.8423, 0.3128,
0.3278

■ 55.8092, 0.2989,
0.5867

■ 83.1255, 0.3147,
0.3069

■ 55.5308, 0.2992,
0.5969

■ 83.9720, 0.3139,
0.3029

■ 55.5204, 0.2992,
0.5973

Harmonies

Analogous

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



62.8732, 0.3713, 0.4558



62.8732, 0.3043, 0.4431



62.8732, 0.2431, 0.3853

Triad

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



62.8732, 0.3043, 0.4431



62.8732, 0.2056, 0.2270



62.8732, 0.4348, 0.3269

Complementary

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



62.8732, 0.3043, 0.4431



39.9916, 0.3218, 0.2366

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.



62.8732, 0.3800, 0.2788



62.8732, 0.3043, 0.4431



62.8732, 0.2461, 0.2236

Square

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



62.8732, 0.3043, 0.4431



62.8732, 0.1909, 0.2560



62.8732, 0.3087, 0.2423



62.8732, 0.4511, 0.3793

Rectangle

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



62.8732, 0.3043, 0.4431



62.8732, 0.2136, 0.3359



62.8732, 0.3087, 0.2423



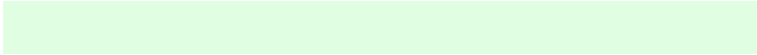
62.8732, 0.4201, 0.3100

Sweetspot

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



62.8758, 0.3043, 0.4431



92.9281, 0.3103, 0.3588



73.0949, 0.3683, 0.4279



19.7407, 0.3100, 0.3623



0.0000, 0.0000, 0.0000



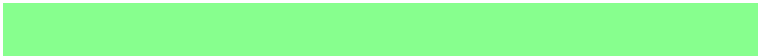
21.4041, 0.3127, 0.3290

Same Dimension

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



62.8758, 0.3043, 0.4431



78.6313, 0.3027, 0.4700



64.5019, 0.2796, 0.3817



16.1021, 0.3108, 0.3519



32.0619, 0.2990, 0.5963



2.3739, 0.2962, 0.5862

Inverse Universe

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



39.9916, 0.3218, 0.2366



45.4269, 0.3238, 0.2198



37.8985, 0.3665, 0.2825



14.6006, 0.3146, 0.3071



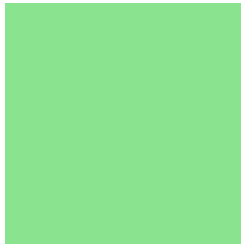
12.3719, 0.3354, 0.1621



0.9185, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 62.8732, 0.3043, 0.4431 looks on a white background.

Color Contrast Check

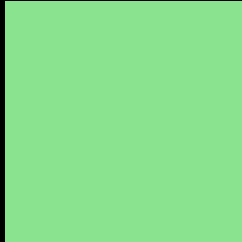
Large Text (above 18pt) WCAG AA × Fail

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 62.8732, 0.3043, 0.4431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

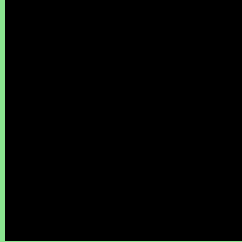
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8732, 0.3043, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 62.8732, 0.3043, 0.4431.

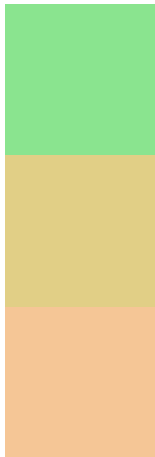


This preview shows how white text looks on a background with the Yxy color 62.8732, 0.3043, 0.4431.

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

62.8732, 0.3043, 0.4431

Protanopia

62.3544, 0.3805, 0.4114

Deuteranopia

62.0027, 0.3891, 0.3808



Tritanopia

62.6341, 0.2628, 0.3083

Trichromacy



Original Color

62.8732, 0.3043, 0.4431



Protanomaly

61.7445, 0.3493, 0.4245



Deuteranomaly

60.8293, 0.3547, 0.4032



Tritanomaly

62.3195, 0.2775, 0.3544

Monochromacy



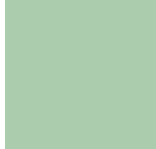
Original Color

62.8732, 0.3043, 0.4431



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.0124, 0.3094, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8732, 0.3043, 0.4431 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(138, 228, 143)` looks like.

```
.text, #text, p{  
    color:rgb(138, 228, 143)  
}
```

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(138, 228, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 228, 143) }
```

Border

The CSS property to change the border of an element to Yxy 62.8732, 0.3043, 0.4431 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(138, 228, 143) }
```

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

```
.border{ border-color:rgb(138, 228, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 228, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 228, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 228, 143);  
box-shadow:4px 4px 4px 4px rgb(138, 228,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8732, 0.3043, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 228, 143) }
```

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

```
.background{ background-color: rgb(138,  
228, 143) }
```

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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