

Converting Colors

Yxy(61.2081, 0.3038, 0.4531)

Have a look what the booklet for
Yxy(61.2081, 0.3038, 0.4531)
contains.

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Color

Yxy(60.9956, 0.3039, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	83E288
RGB	131, 226, 136
RGB Percent	51%, 89%, 53%
CMY	0.4865, 0.1137, 0.4667
CMYK	0.42, 0.00, 0.40, 0.11
HSL	123°, 62%, 70%
HSV	123°, 42%, 89%
XYZ	40.9920, 60.9956, 32.8988
YIQ	187.3350, -27.7300, -48.1300

Conversions

Conversions Part 2

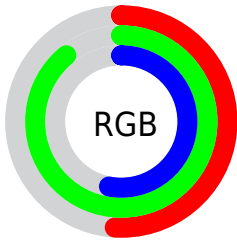
Format	Color
RYB	131, 221, 226
Decimal	8643208
CIELab	82.38, -46.27, 35.41
CIElCh	82, 58.264, 142.574
Yxy	60.9956, 0.3039, 0.4522
Android (android.graphics.Color)	4286833288 (0xFF83E288)
YUV	187.3350, -25.3082, -49.4058
Hunter-Lab	78.0997, -42.9857, 29.6944

Details

The Yxy color **60.9956, 0.3039, 0.4522** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.6054, 0.3222, 0.2307**, and the grayscale version is **50.0429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9291, 0.3081, 0.4024**, and **30.8612, 0.2978, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **58.8382, 0.3020, 0.4868**, and if you desaturate by 10%, it is **63.6731, 0.3060, 0.4185**.

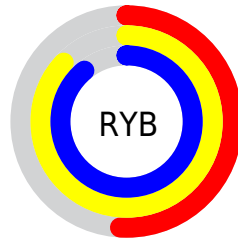
Distribution



Red (51%)

Green (89%)

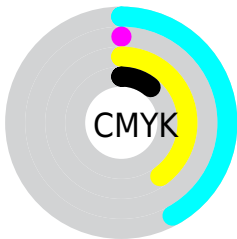
Blue (53%)



Red (51%)

Yellow (87%)

Blue (89%)

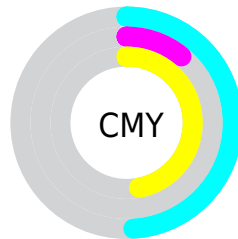


Cyan (42%)

Magenta (0%)

Yellow (40%)

Black (11%)



Cyan (49%)

Magenta (11%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9956, 0.3039, 0.4522 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 60.9956, 0.3039, 0.4522 by changing the saturation by 10% instead.


 60.9956, 0.3039,
0.4522

 60.9956, 0.3039,
0.4522


428.2579, 0.3105,
0.3895

 44.2216, 0.3016,
0.4680


 106.2726, 0.3068,
0.4293

 30.8448, 0.2982,
0.4881


 135.5443, 0.3077,
0.4207

 20.4807, 0.2932,
0.5148


 169.7508, 0.3085,
0.4135

 12.7449, 0.2849,
0.5515

209.2764, 0.3090,
0.4073

 7.2531, 0.2705,
0.6041

254.5055, 0.3095,
0.4020

 3.6209, 0.2508,
0.7060

305.8226, 0.3099,

 1.4639, 0.1056,

0.3973

0.8944

363.6119, 0.3102,
0.3932

■ 0.2631, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9956, 0.3039,
0.4522

■ 60.9956, 0.3039,
0.4522

■ 58.8382, 0.3020,
0.4868

■ 63.6731, 0.3060,
0.4185

■ 57.1601, 0.3004,
0.5203


■ 66.8933, 0.3082,
0.3871


■ 55.9269, 0.2993,
0.5503

■ 70.6865, 0.3103,
0.3588


■ 55.0962, 0.2989,
0.5742

■ 75.0788, 0.3123,
0.3338

 54.6173, 0.2990,
0.5903

 80.0944, 0.3142,
0.3119

 54.4273, 0.2993,
0.5974

 82.8808, 0.3140,
0.3009

Harmonies

Analogous

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



60.9956, 0.3750, 0.4641



60.9956, 0.3039, 0.4522



60.9956, 0.2390, 0.3902

Triad

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



60.9956, 0.3039, 0.4522



60.9956, 0.1991, 0.2210



60.9956, 0.4427, 0.3255

Complementary

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



60.9956, 0.3039, 0.4522



37.6054, 0.3222, 0.2307

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.



60.9956, 0.3836, 0.2751



60.9956, 0.3039, 0.4522



60.9956, 0.2412, 0.2175

Square

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



60.9956, 0.3039, 0.4522



60.9956, 0.1840, 0.2515



60.9956, 0.3073, 0.2370



60.9956, 0.4601, 0.3806

Rectangle

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



60.9956, 0.3039, 0.4522



60.9956, 0.2078, 0.3368



60.9956, 0.3073, 0.2370



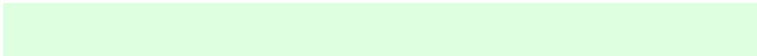
60.9956, 0.4268, 0.3078

Sweetspot

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



60.9982, 0.3039, 0.4522



92.3866, 0.3101, 0.3616



71.4509, 0.3716, 0.4339



19.5268, 0.3096, 0.3676



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.



60.9982, 0.3039, 0.4522



77.7993, 0.3023, 0.4808



62.6495, 0.2778, 0.3857



15.3490, 0.3109, 0.3519



31.0515, 0.2990, 0.5965



2.1565, 0.2962, 0.5862

Inverse Universe

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



37.6054, 0.3222, 0.2307



43.3598, 0.3243, 0.2135



35.4319, 0.3714, 0.2795



13.9224, 0.3146, 0.3071



11.9998, 0.3346, 0.1617



0.8357, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 60.9956, 0.3039, 0.4522 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 60.9956, 0.3039, 0.4522 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 60.9956, 0.3039, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 60.9956, 0.3039, 0.4522.



This preview shows how white text looks on a background with the Yxy color 60.9956, 0.3039, 0.4522.

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

60.9956, 0.3039, 0.4522

Protanopia

60.2476, 0.3842, 0.4167

Deuteranopia

60.0681, 0.3942, 0.3854



Tritanopia

60.9111, 0.2602, 0.3080

Trichromacy



Original Color

60.9956, 0.3039, 0.4522



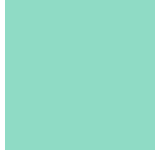
Protanomaly

59.5175, 0.3516, 0.4309



Deuteranomaly

58.5926, 0.3573, 0.4092



Tritanomaly

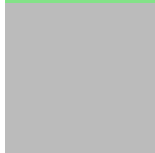
60.5339, 0.2760, 0.3575

Monochromacy



Original Color

60.9956, 0.3039, 0.4522



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.8159, 0.3099, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9956, 0.3039, 0.4522 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(131, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 136)  
}
```

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(131, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 136) }
```

Border

The CSS property to change the border of an element to Yxy 60.9956, 0.3039, 0.4522 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(131, 226, 136) }
```

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

```
.border{ border-color:rgb(131, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 226, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 226, 136);  
box-shadow:4px 4px 4px 4px rgb(131, 226,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9956, 0.3039, 0.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 136) }
```

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

```
.background{ background-color: rgb(131,  
226, 136) }
```

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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