

Converting Colors

$Yxy(60.8851, 0.3260, 0.4370)$

Have a look what the booklet for
Yxy(60.8851, 0.3260, 0.4370)
contains.

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Color

Yxy(60.8851, 0.3260, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	A4DC89
RGB	164, 220, 137
RGB Percent	64%, 86%, 54%
CMY	0.3568, 0.1372, 0.4628
CMYK	0.25, 0.00, 0.38, 0.14
HSL	100°, 54%, 70%
HSV	100°, 38%, 86%
XYZ	45.4200, 60.8851, 33.0201
YIQ	193.7940, -6.7330, -37.6850

Conversions

Conversions Part 2

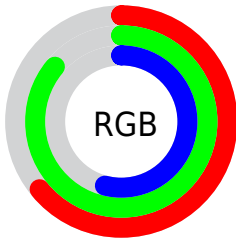
Format	Color
RYB	137, 220, 193
Decimal	10804361
CIELab	82.32, -32.87, 35.14
CIELCh	82, 48.121, 133.090
Yxy	60.8851, 0.3260, 0.4370
Android (android.graphics.Color)	4288994441 (0xFFA4DC89)
YUV	193.7940, -27.9994, -26.1293
Hunter-Lab	78.0289, -32.6472, 29.5300

Details

The Yxy color **60.8851, 0.3260, 0.4370** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.3900, 0.2918, 0.2288**, and the grayscale version is **53.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4972, 0.3275, 0.3969**, and **30.8971, 0.3263, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **58.8316, 0.3280, 0.4693**, and if you desaturate by 10%, it is **63.2568, 0.3231, 0.4055**.

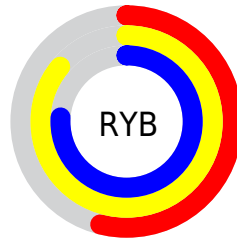
Distribution



Red (64%)

Green (86%)

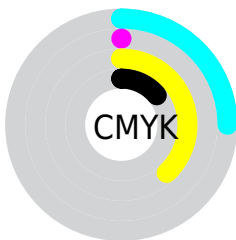
Blue (54%)



Red (54%)

Yellow (86%)

Blue (76%)

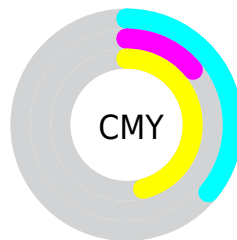


Cyan (25%)

Magenta (0%)

Yellow (38%)

Black (14%)



Cyan (36%)


Magenta (14%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8851, 0.3260, 0.4370 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 60.8851, 0.3260, 0.4370 by changing the saturation by 10% instead.

 60.8851, 0.3260,
0.4370


 60.8851, 0.3260,
0.4370

427.8526, 0.3215,
0.3829


 44.1324, 0.3265,
0.4504


 106.1126, 0.3249,
0.4174

 30.7746, 0.3267,
0.4673


 135.3561, 0.3243,
0.4100

 20.4273, 0.3263,
0.4896


 169.5322, 0.3237,
0.4038

 12.7060, 0.3244,
0.5198

209.0250, 0.3232,
0.3984

 7.2264, 0.3193,
0.5624

254.2191, 0.3227,
0.3937

 3.6041, 0.3145,
0.6439

305.4988, 0.3223,

 1.4547, 0.2533,

0.3897

0.7467

363.2485, 0.3219,
0.3861

0.2565, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.8851, 0.3260,
0.4370

60.8851, 0.3260,
0.4370

58.8316, 0.3280,
0.4693

63.2568, 0.3231,
0.4055

57.0742, 0.3288,
0.5010

65.9520, 0.3196,
0.3757

55.6001, 0.3281,
0.5301

68.9857, 0.3158,
0.3484

54.3924, 0.3257,
0.5548

72.3696, 0.3118,
0.3236

■ 53.4318, 0.3218,
0.5734

■ 76.1150, 0.3079,
0.3016

■ 52.6941, 0.3168,
0.5853

■ 79.2982, 0.3130,
0.2949

■ 52.5511, 0.3157,
0.5875

■ 79.6677, 0.3143,
0.2950

Harmonies

Analogous

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



60.8851, 0.3836, 0.4364



60.8851, 0.3260, 0.4370



60.8851, 0.2678, 0.3978

Triad

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



60.8851, 0.3260, 0.4370



60.8851, 0.2097, 0.2440



60.8851, 0.4076, 0.3131

Complementary

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



60.8851, 0.3260, 0.4370



34.3900, 0.2918, 0.2288

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.



60.8851, 0.3523, 0.2720



60.8851, 0.3260, 0.4370



60.8851, 0.2391, 0.2331

Square

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



60.8851, 0.3260, 0.4370



60.8851, 0.2044, 0.2788



60.8851, 0.2897, 0.2436



60.8851, 0.4346, 0.3601

Rectangle

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



60.8851, 0.3260, 0.4370



60.8851, 0.2364, 0.3569



60.8851, 0.2897, 0.2436



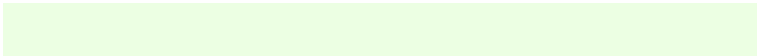
60.8851, 0.3914, 0.2984

Sweetspot

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



60.8877, 0.3260, 0.4370



94.9102, 0.3171, 0.3573



54.8668, 0.3802, 0.3939



20.1893, 0.3176, 0.3610



0.0000, 0.0000, 0.0000



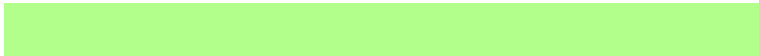
21.4041, 0.3127, 0.3290

Same Dimension

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



60.8877, 0.3260, 0.4370



82.8396, 0.3276, 0.4617



58.7338, 0.2993, 0.4239



14.8110, 0.3164, 0.3528



30.8947, 0.3167, 0.5867



2.0473, 0.3293, 0.5767

Inverse Universe

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



34.3900, 0.2918, 0.2288



40.8994, 0.2861, 0.2079



37.5686, 0.3301, 0.2499



13.0514, 0.3086, 0.3056



6.8108, 0.2405, 0.1099



0.4871, 0.2539, 0.1172

Previews

White Background



This preview shows how the Yxy color 60.8851, 0.3260, 0.4370 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 60.8851, 0.3260, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

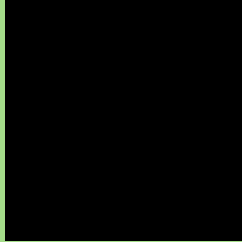
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.8851, 0.3260, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 60.8851, 0.3260, 0.4370.

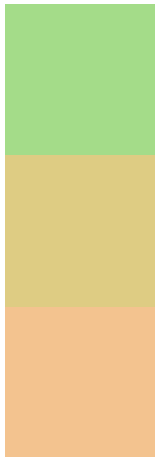


This preview shows how white text looks on a background with the Yxy color 60.8851, 0.3260, 0.4370.

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

60.8851, 0.3260, 0.4370

Protanopia

60.3540, 0.3814, 0.4124

Deuteranopia

60.0681, 0.3942, 0.3854



Tritanopia

60.5569, 0.2798, 0.3087

Trichromacy



Original Color

60.8851, 0.3260, 0.4370



Protanomaly

60.2041, 0.3600, 0.4220



Deuteranomaly

59.4050, 0.3674, 0.4032



Tritanomaly

60.3678, 0.2966, 0.3527

Monochromacy



Original Color

60.8851, 0.3260, 0.4370



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

55.7963, 0.3187, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.8851, 0.3260, 0.4370 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(164, 220, 137)` looks like.

```
.text, #text, p{  
    color:rgb(164, 220, 137)  
}
```

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(164, 220, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 220, 137) }
```

Border

The CSS property to change the border of an element to Yxy 60.8851, 0.3260, 0.4370 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(164, 220, 137) }
```

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

```
.border{ border-color:rgb(164, 220, 137) }
```

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

Here you see how a box with a 4 pixel rgb(164, 220, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 220, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 220, 137);  
box-shadow:4px 4px 4px 4px rgb(164, 220,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 60.8851, 0.3260, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 220, 137) }
```

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

```
.background{ background-color: rgb(164,  
220, 137) }
```

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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