

Converting Colors

$Yxy(60.3510, 0.2943, 0.4267)$

Have a look what the booklet for
Yxy(60.3510, 0.2943, 0.4267)
contains.

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Color

Yxy(60.3570, 0.2939, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	82E099
RGB	130, 224, 153
RGB Percent	51%, 88%, 60%
CMY	0.4905, 0.1215, 0.4000
CMYK	0.42, 0.00, 0.32, 0.12
HSL	135°, 60%, 69%
HSV	135°, 42%, 88%
XYZ	41.6016, 60.3570, 39.5916
YIQ	187.8000, -33.2330, -42.0090

Conversions

Conversions Part 2

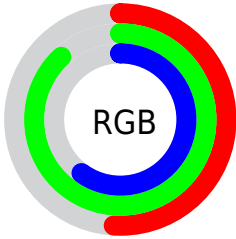
Format	Color
RYB	130, 206, 224
Decimal	8577177
CIELab	82.03, -42.92, 26.27
CIELCh	82, 50.322, 148.531
Yxy	60.3570, 0.2939, 0.4264
Android (android.graphics.Color)	4286767257 (0xFF82E099)
YUV	187.8000, -17.1564, -50.6906
Hunter-Lab	77.6898, -40.3733, 24.1680

Details

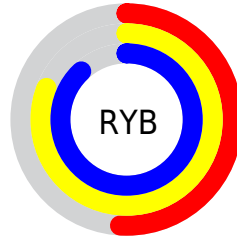
The Yxy color **60.3570, 0.2939, 0.4264** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0082, 0.3401, 0.2486**, and the grayscale version is **50.2739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6389, 0.2978, 0.3815**, and **30.4007, 0.2873, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **58.2583, 0.2907, 0.4548**, and if you desaturate by 10%, it is **62.9254, 0.2979, 0.3995**.

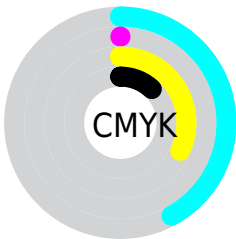
Distribution



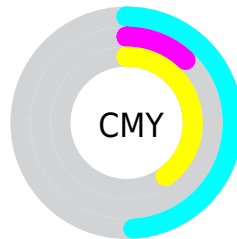
- Red (51%)
- Green (88%)
- Blue (60%)



- Red (51%)
- Yellow (81%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (12%)





- Cyan (49%)
- Magenta (12%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3570, 0.2939, 0.4264 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 60.3570, 0.2939, 0.4264 by changing the saturation by 10% instead.


 60.3570, 0.2939,
0.4264


 60.3570, 0.2939,
0.4264


425.9124, 0.3044,
0.3770

 43.7065, 0.2910,
0.4388


 105.3474, 0.2979,
0.4083

 30.4398, 0.2870,
0.4549


 134.4560, 0.2994,
0.4016

 20.1726, 0.2815,
0.4762


 168.4861, 0.3006,
0.3959

 12.5206, 0.2733,
0.5058

207.8220, 0.3016,
0.3910

 7.0993, 0.2601,
0.5495

252.8482, 0.3025,
0.3868

 3.5243, 0.2368,
0.6193

303.9491, 0.3032,

 1.4112, 0.1339,

0.3831

0.8661

361.5090, 0.3038,
0.3799

■ 0.2249, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3570, 0.2939,
0.4264

■ 60.3570, 0.2939,
0.4264

■ 58.2583, 0.2907,
0.4548

■ 62.9254, 0.2979,
0.3995

■ 56.5932, 0.2885,
0.4837


■ 65.9820, 0.3023,
0.3748

■ 55.3324, 0.2877,
0.5118


■ 69.5536, 0.3070,
0.3525


■ 54.4393, 0.2883,
0.5375

■ 73.6627, 0.3118,
0.3327

 53.8709, 0.2904,
0.5594

 78.3306, 0.3164,
0.3153

 53.5955, 0.2926,
0.5735

 81.7645, 0.3145,
0.2995

 81.8002, 0.3141,
0.2990

Harmonies

Analogous

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



60.3570, 0.3566, 0.4473



60.3570, 0.2939, 0.4264



60.3570, 0.2394, 0.3685

Triad

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



60.3570, 0.2939, 0.4264



60.3570, 0.2180, 0.2314



60.3570, 0.4316, 0.3369

Complementary

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



60.3570, 0.2939, 0.4264



36.0082, 0.3401, 0.2486

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.



60.3570, 0.3865, 0.2902



60.3570, 0.2939, 0.4264



60.3570, 0.2604, 0.2321

Square

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



60.3570, 0.2939, 0.4264



60.3570, 0.1994, 0.2544



60.3570, 0.3216, 0.2532



60.3570, 0.4396, 0.3859

Rectangle

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



60.3570, 0.2939, 0.4264



60.3570, 0.2146, 0.3235



60.3570, 0.3216, 0.2532



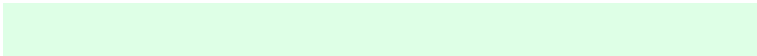
60.3570, 0.4202, 0.3207

Sweetspot

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



60.3595, 0.2939, 0.4264



92.7379, 0.3065, 0.3548



67.4948, 0.3581, 0.4389



19.6124, 0.3055, 0.3596



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.



60.3595, 0.2939, 0.4264



78.5656, 0.2911, 0.4500



62.1797, 0.2685, 0.3617



15.3921, 0.3082, 0.3472



31.2066, 0.2920, 0.5711



2.1772, 0.2837, 0.5413

Inverse Universe

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



36.0082, 0.3401, 0.2486



41.9355, 0.3474, 0.2338



34.1609, 0.3914, 0.2995



13.8752, 0.3175, 0.3115



10.9122, 0.3943, 0.1946



0.7703, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 60.3570, 0.2939, 0.4264 looks on a white background.

Color Contrast Check

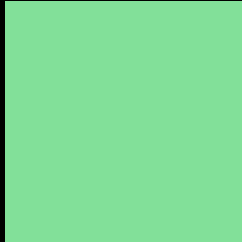
Large Text (above 18pt) WCAG AA × Fail

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 60.3570, 0.2939, 0.4264 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 60.3570, 0.2939, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 60.3570, 0.2939, 0.4264.

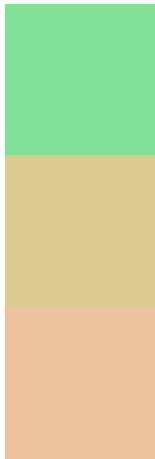


This preview shows how white text looks on a background with the Yxy color 60.3570, 0.2939, 0.4264.

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

60.3570, 0.2939, 0.4264

Protanopia

59.7856, 0.3697, 0.3976

Deuteranopia

59.5379, 0.3762, 0.3690



Tritanopia

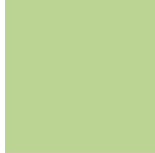
60.0657, 0.2589, 0.3079

Trichromacy



Original Color

60.3570, 0.2939, 0.4264



Protanomaly

59.2599, 0.3388, 0.4093



Deuteranomaly

58.5827, 0.3418, 0.3892



Tritanomaly

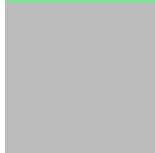
60.1173, 0.2714, 0.3483

Monochromacy



Original Color

60.3570, 0.2939, 0.4264



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

53.0839, 0.3050, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3570, 0.2939, 0.4264 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(130, 224, 153)` looks like.

```
.text, #text, p{  
    color:rgb(130, 224, 153)  
}
```

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(130, 224, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 224, 153) }
```

Border

The CSS property to change the border of an element to Yxy 60.3570, 0.2939, 0.4264 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(130, 224, 153) }
```

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

```
.border{ border-color:rgb(130, 224, 153) }
```

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

Here you see how a box with a 4 pixel rgb(130, 224, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 224, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 224, 153);  
box-shadow:4px 4px 4px 4px rgb(130, 224,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3570, 0.2939, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 224, 153) }
```

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

```
.background{ background-color: rgb(130,  
224, 153) }
```

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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