

Converting Colors

$Yxy(60.1337, 0.2841, 0.4127)$

Have a look what the booklet for
Yxy(60.1337, 0.2841, 0.4127)
contains.

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Color

Yxy(60.1666, 0.2844, 0.4130)

Conversions

Conversions Part 1

Format	Color
Hex	7BE0A3
RGB	123, 224, 163
RGB Percent	48%, 88%, 64%
CMY	0.5178, 0.1215, 0.3607
CMYK	0.45, 0.00, 0.27, 0.12
HSL	144°, 62%, 68%
HSV	144°, 45%, 88%
XYZ	41.4319, 60.1666, 44.0833
YIQ	186.8470, -40.6150, -40.3830

Conversions

Conversions Part 2

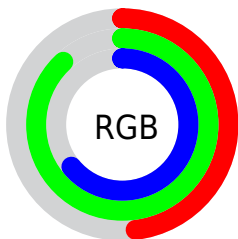
Format	Color
RYB	123, 195, 224
Decimal	8118435
CIELab	81.93, -42.99, 20.89
CIElCh	82, 47.798, 154.090
Yxy	60.1666, 0.2844, 0.4130
Android (android.graphics.Color)	4286308515 (0xFF7BE0A3)
YUV	186.8470, -11.7566, -55.9938
Hunter-Lab	77.5671, -40.3980, 20.6010

Details

The Yxy color **60.1666, 0.2844, 0.4130** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.4662, 0.3595, 0.2589**, and the grayscale version is **49.6853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2853, 0.2886, 0.3704**, and **30.3112, 0.2758, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **58.2430, 0.2803, 0.4360**, and if you desaturate by 10%, it is **62.5249, 0.2897, 0.3913**.

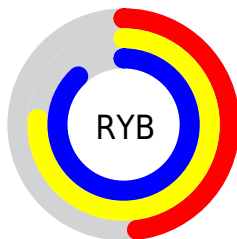
Distribution



Red (48%)

Green (88%)

Blue (64%)



Red (48%)

Yellow (76%)

Blue (88%)

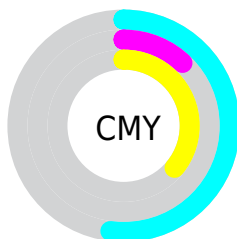


Cyan (45%)

Magenta (0%)

Yellow (27%)

Black (12%)



Cyan (52%)


Magenta (12%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1666, 0.2844, 0.4130 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 60.1666, 0.2844, 0.4130 by changing the saturation by 10% instead.


 60.1666, 0.2844,
0.4130


 60.1666, 0.2844,
0.4130


425.2116, 0.2991,
0.3706


 43.5529, 0.2806,
0.4237


 105.0713, 0.2898,
0.3975

 30.3192, 0.2757,
0.4374


 134.1311, 0.2918,
0.3917

 20.0810, 0.2690,
0.4557


 168.1085, 0.2935,
0.3868

 12.4539, 0.2595,
0.4813

207.3877, 0.2950,
0.3826

 7.0536, 0.2450,
0.5191

252.3532, 0.2962,
0.3790

 3.4957, 0.2207,
0.5801

303.3895, 0.2973,

 1.3956, 0.1284,

0.3758

0.8716

360.8808, 0.2982,
0.3730

■ 0.2135, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1666, 0.2844,
0.4130

■ 60.1666, 0.2844,
0.4130

■ 58.2430, 0.2803,
0.4360

■ 62.5249, 0.2897,
0.3913

■ 56.7190, 0.2776,
0.4597


■ 65.3356, 0.2958,
0.3712


■ 55.5658, 0.2767,
0.4832


■ 68.6245, 0.3024,
0.3530


■ 54.7474, 0.2777,
0.5059

■ 72.4132, 0.3092,
0.3366

 54.2200, 0.2805,
0.5266

 76.7218, 0.3161,
0.3221

 54.0331, 0.2822,
0.5360

 81.1166, 0.3212,
0.3093

 81.7957, 0.3141,
0.2990

Harmonies

Analogous

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



60.1666, 0.3440, 0.4407



60.1666, 0.2844, 0.4130



60.1666, 0.2353, 0.3547

Triad

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



60.1666, 0.2844, 0.4130



60.1666, 0.2280, 0.2342



60.1666, 0.4300, 0.3458

Complementary

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



60.1666, 0.2844, 0.4130



33.4662, 0.3595, 0.2589

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.



60.1666, 0.3929, 0.2999



60.1666, 0.2844, 0.4130



60.1666, 0.2727, 0.2386

Square

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



60.1666, 0.2844, 0.4130



60.1666, 0.2058, 0.2521



60.1666, 0.3332, 0.2620



60.1666, 0.4309, 0.3922

Rectangle

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



60.1666, 0.2844, 0.4130



60.1666, 0.2143, 0.3128



60.1666, 0.3332, 0.2620



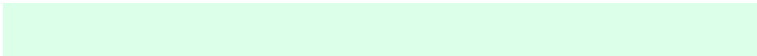
60.1666, 0.4214, 0.3300

Sweetspot

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



60.1691, 0.2844, 0.4130



92.5354, 0.3030, 0.3512



65.0937, 0.3492, 0.4519



19.5860, 0.3016, 0.3550



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.



60.1691, 0.2844, 0.4130



78.2962, 0.2805, 0.4343



62.2890, 0.2582, 0.3441



15.4268, 0.3062, 0.3435



31.4698, 0.2814, 0.5331



2.1986, 0.2728, 0.5020

Inverse Universe

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



33.4662, 0.3595, 0.2589



38.2430, 0.3735, 0.2458



31.7493, 0.4190, 0.3154



13.8388, 0.3198, 0.3149



10.2696, 0.4519, 0.2263



0.7293, 0.4263, 0.2122

Previews

White Background



This preview shows how the Yxy color 60.1666, 0.2844, 0.4130 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 60.1666, 0.2844, 0.4130 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 60.1666, 0.2844, 0.4130

Background



This preview shows how black text looks on a background with the Yxy color 60.1666, 0.2844, 0.4130.



This preview shows how white text looks on a background with the Yxy color 60.1666, 0.2844, 0.4130.

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

60.1666, 0.2844, 0.4130

Protanopia

59.2927, 0.3616, 0.3864

Deuteranopia

59.3872, 0.3656, 0.3582



Tritanopia

60.0025, 0.2548, 0.3077

Trichromacy



Original Color

60.1666, 0.2844, 0.4130



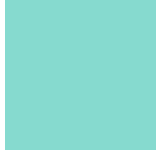
Protanomaly

58.5948, 0.3290, 0.3962



Deuteranomaly

58.4020, 0.3313, 0.3772



Tritanomaly

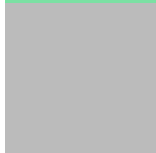
59.7161, 0.2653, 0.3432

Monochromacy



Original Color

60.1666, 0.2844, 0.4130



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.4154, 0.3007, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1666, 0.2844, 0.4130 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(123, 224, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 224, 163)  
}
```

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(123, 224, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 224, 163) }
```

Border

The CSS property to change the border of an element to Yxy 60.1666, 0.2844, 0.4130 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(123, 224, 163) }
```

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

```
.border{ border-color:rgb(123, 224, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 224, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 224, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 224, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 224,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1666, 0.2844, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 224, 163) }
```

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

```
.background{ background-color: rgb(123,  
224, 163) }
```

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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