

Converting Colors

$Y_{xy}(55.6575, 0.3569, 0.4327)$

Have a look what the booklet for
Yxy(55.6575, 0.3569, 0.4327)
contains.

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Color

Yxy(55.6575, 0.3569, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	BBCD7B
RGB	187, 205, 123
RGB Percent	73%, 80%, 48%
CMY	0.2665, 0.1961, 0.5176
CMYK	0.09, 0.00, 0.40, 0.20
HSL	73°, 45%, 64%
HSV	73°, 40%, 80%
XYZ	45.9075, 55.6575, 27.0634
YIQ	190.2700, 15.5940, -29.3180

Conversions

Conversions Part 2

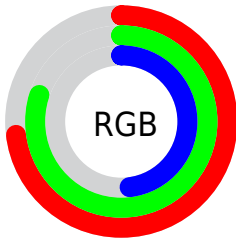
Format	Color
R _{YB}	123, 205, 141
Decimal	12307835
CIE Lab	79.42, -18.99, 38.77
CIE LCh	79, 43.166, 116.095
Yxy	55.6575, 0.3569, 0.4327
Android (android.graphics.Color)	4290497915 (0xFFBBCD7B)
YUV	190.2700, -33.1641, -2.8678
Hunter-Lab	74.6040, -20.7171, 30.7147

Details

The Yxy color **55.6575, 0.3569, 0.4327** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.2340, 0.2546, 0.2122**, and the grayscale version is **51.8495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9274, 0.3516, 0.4077**, and **27.5066, 0.3653, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **54.6416, 0.3662, 0.4582**, and if you desaturate by 10%, it is **56.8035, 0.3464, 0.4062**.

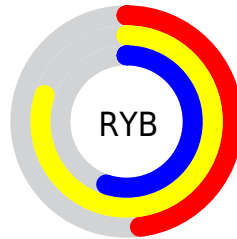
Distribution



Red (73%)

Green (80%)

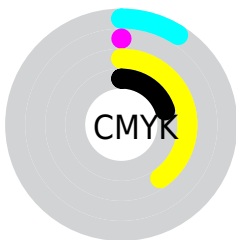
Blue (48%)



Red (48%)

Yellow (80%)

Blue (55%)

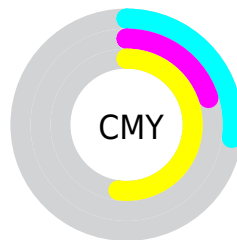


Cyan (9%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (27%)


Magenta (20%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6575, 0.3569, 0.4327 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 55.6575, 0.3569, 0.4327 by changing the saturation by 10% instead.


 55.6575, 0.3569,
0.4327

 55.6575, 0.3569,
0.4327


408.3995, 0.3371,
0.3812


 39.9284, 0.3610,
0.4452


 98.5036, 0.3503,
0.4142

 27.4827, 0.3657,
0.4608


 126.3894, 0.3477,
0.4072

 17.9361, 0.3709,
0.4810


 159.0963, 0.3454,
0.4012

 10.9041, 0.3763,
0.5076

197.0085, 0.3433,
0.3961

 6.0024, 0.3805,
0.5437

240.5105, 0.3415,
0.3917

 2.8465, 0.3895,
0.6105

289.9868, 0.3399,

 1.0521, 0.3340,

0.3877

0.6660

345.8216, 0.3384,
0.3843

0.0000, 0.0000,
0.0000

55.6575, 0.3569,
0.4327

55.6575, 0.3569,
0.4327

54.6416, 0.3662,
0.4582

56.8035, 0.3464,
0.4062

53.7416, 0.3738,
0.4814

58.0786, 0.3353,
0.3796

52.9521, 0.3792,
0.5015


59.4911, 0.3239,
0.3537


52.2644, 0.3822,
0.5173

61.0465, 0.3127,
0.3290


51.6682, 0.3825,
0.5286


62.7498, 0.3019,
0.3059


 51.1445, 0.3808,
0.5358

 64.6061, 0.2916,
0.2846

 51.1442, 0.3808,
0.5358

 65.8569, 0.2891,
0.2762

 66.5603, 0.2922,
0.2766

 67.2826, 0.2953,
0.2771

Harmonies

Analogous

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



55.6575, 0.4031, 0.4151



55.6575, 0.3569, 0.4327



55.6575, 0.3012, 0.4166

Triad

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



55.6575, 0.3569, 0.4327



55.6575, 0.2110, 0.2660



55.6575, 0.3736, 0.2916

Complementary

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



55.6575, 0.3569, 0.4327



24.2340, 0.2546, 0.2122

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.



55.6575, 0.3162, 0.2590



55.6575, 0.3569, 0.4327



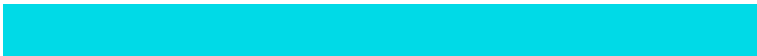
55.6575, 0.2259, 0.2429

Square

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



55.6575, 0.3569, 0.4327



55.6575, 0.2195, 0.3108



55.6575, 0.2627, 0.2414



55.6575, 0.4153, 0.3334

Rectangle

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



55.6575, 0.3569, 0.4327



55.6575, 0.2665, 0.3870



55.6575, 0.2627, 0.2414



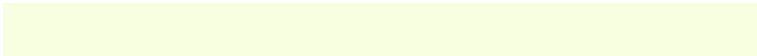
55.6575, 0.3552, 0.2794

Sweetspot

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



55.6600, 0.3569, 0.4327



96.9347, 0.3264, 0.3592



33.3905, 0.4034, 0.3522



20.6811, 0.3279, 0.3626



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.



55.6600, 0.3569, 0.4327



89.7286, 0.3650, 0.4547



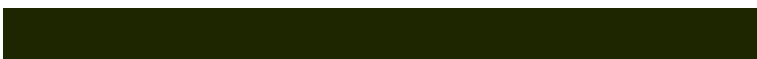
51.2227, 0.3238, 0.4447



12.9680, 0.3232, 0.3521



31.8844, 0.3814, 0.5354



1.6764, 0.3892, 0.5292

Inverse Universe

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



24.2340, 0.2546, 0.2122



31.2980, 0.2390, 0.1835



28.4913, 0.2937, 0.2241



10.9605, 0.3016, 0.3053



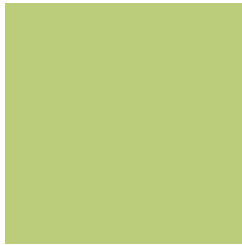
3.1244, 0.1621, 0.0666



0.1956, 0.1818, 0.0775

Previews

White Background



This preview shows how the Yxy color 55.6575, 0.3569, 0.4327 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 55.6575, 0.3569, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

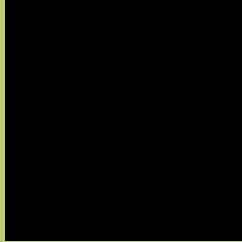
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6575, 0.3569, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 55.6575, 0.3569, 0.4327.



This preview shows how white text looks on a background with the Yxy color 55.6575, 0.3569, 0.4327.

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

55.6575, 0.3569, 0.4327

Protanopia

55.2830, 0.3870, 0.4182

Deuteranopia

55.3316, 0.4043, 0.3966



Tritanopia

55.6891, 0.3042, 0.3111

Trichromacy



Original Color

55.6575, 0.3569, 0.4327

Protanomaly

55.2065, 0.3761, 0.4233

Deuteranomaly

54.9954, 0.3862, 0.4086

Tritanomaly

55.5305, 0.3242, 0.3550

Monochromacy



Original Color

55.6575, 0.3569, 0.4327

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.6022, 0.3297, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6575, 0.3569, 0.4327 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(187, 205, 123)` looks like.

```
.text, #text, p{  
    color:rgb(187, 205, 123)  
}
```

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(187, 205, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 205, 123) }
```

Border

The CSS property to change the border of an element to Yxy 55.6575, 0.3569, 0.4327 is called "border". The border property can be set on classes, ids or directly on the HTML element.

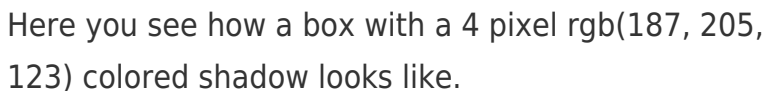
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 205, 123) }
```

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

```
.border{ border-color:rgb(187, 205, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 205, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 205, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 205, 123); box-shadow:4px 4px 4px 4px rgb(187, 205, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6575, 0.3569, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 205, 123) }
```

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

```
.background{ background-color: rgb(187,  
205, 123) }
```

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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