

Converting Colors

$Y_{xy}(54.2375, 0.3326, 0.3732)$

Have a look what the booklet for
Yxy(54.2375, 0.3326, 0.3732)
contains.

Yxy(54.1089, 0.3332, 0.3733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.1089, 0.3332, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	BFC6A3
RGB	191, 198, 163
RGB Percent	75%, 78%, 64%
CMY	0.2508, 0.2235, 0.3608
CMYK	0.04, 0.00, 0.18, 0.22
HSL	72°, 23%, 71%
HSV	72°, 18%, 78%
XYZ	48.2965, 54.1089, 42.5421
YIQ	191.9170, 7.0630, -12.3690

Conversions

Conversions Part 2

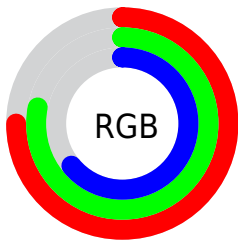
Format	Color
RYB	163, 198, 170
Decimal	12568227
CIELab	78.53, -8.45, 16.76
CIELCh	79, 18.770, 116.741
Yxy	54.1089, 0.3332, 0.3733
Android (android.graphics.Color)	4290758307 (0xFFBFC6A3)
YUV	191.9170, -14.2561, -0.8042
Hunter-Lab	73.5588, -11.5300, 17.2013

Details

The Yxy color **54.1089, 0.3332, 0.3733** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8069, 0.2899, 0.2823**, and the grayscale version is **52.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5384, 0.3300, 0.3656**, and **26.4126, 0.3381, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **52.9527, 0.3448, 0.3996**, and if you desaturate by 10%, it is **55.3947, 0.3215, 0.3478**.

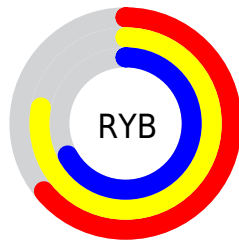
Distribution



Red (75%)

Green (78%)

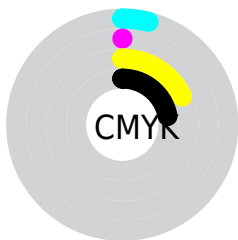
Blue (64%)



Red (64%)

Yellow (78%)

Blue (67%)

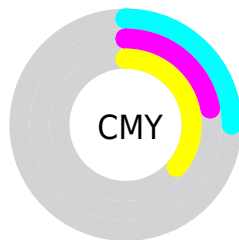


Cyan (4%)

Magenta (0%)

Yellow (18%)

Black (22%)



Cyan (25%)


Magenta (22%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1089, 0.3332, 0.3733 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 54.1089, 0.3332, 0.3733 by changing the saturation by 10% instead.


 54.1089, 0.3332,
0.3733


 54.1089, 0.3332,
0.3733


402.5251, 0.3234,
0.3514

 38.6887, 0.3355,
0.3787


 96.2341, 0.3298,
0.3654

 26.5177, 0.3384,
0.3856


 123.7080, 0.3284,
0.3624

 17.2113, 0.3420,
0.3947


155.9685, 0.3273,
0.3598

 10.3853, 0.3468,
0.4072

193.4001, 0.3263,
0.3577

 5.6551, 0.3533,
0.4255

236.3872, 0.3255,
0.3558

 2.6365, 0.3623,
0.4543

285.3141, 0.3247,

 0.9451, 0.4223,

0.3541

0.5777

340.5653, 0.3240,
0.3527

0.0000, 0.0000,
0.0000

54.1089, 0.3332,
0.3733

54.1089, 0.3332,
0.3733

52.9527, 0.3448,
0.3996

55.3947, 0.3215,
0.3478

51.9136, 0.3558,
0.4260

56.8079, 0.3101,
0.3235

50.9885, 0.3658,
0.4514

58.3555, 0.2991,
0.3009

50.1710, 0.3742,
0.4749

60.0419, 0.2888,
0.2800

49.4545, 0.3805,
0.4953

61.4132, 0.2834,
0.2676

■ 48.8311, 0.3844,
0.5118

■ 62.0006, 0.2861,
0.2681

■ 48.2918, 0.3858,
0.5238

■ 62.6024, 0.2889,
0.2686

■ 47.8236, 0.3848,
0.5314

■ 63.2186, 0.2917,
0.2691

■ 47.7202, 0.3844,
0.5330

■ 63.8493, 0.2945,
0.2696

Harmonies

Analogous

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



54.1089, 0.3531, 0.3686



54.1089, 0.3332, 0.3733



54.1089, 0.3083, 0.3650

Triad

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



54.1089, 0.3332, 0.3733



54.1089, 0.2655, 0.3017



54.1089, 0.3401, 0.3127

Complementary

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



54.1089, 0.3332, 0.3733



38.8069, 0.2899, 0.2823

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.



54.1089, 0.3156, 0.2965



54.1089, 0.3332, 0.3733



54.1089, 0.2732, 0.2897

Square

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



54.1089, 0.3332, 0.3733



54.1089, 0.2699, 0.3221



54.1089, 0.2912, 0.2881



54.1089, 0.3575, 0.3332

Rectangle

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



54.1089, 0.3332, 0.3733



54.1089, 0.2924, 0.3530



54.1089, 0.2912, 0.2881



54.1089, 0.3324, 0.3066

Sweetspot

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



54.1113, 0.3332, 0.3733



98.7283, 0.3185, 0.3413



43.1761, 0.3450, 0.3373



21.0947, 0.3193, 0.3431



0.0000, 0.0000, 0.0000



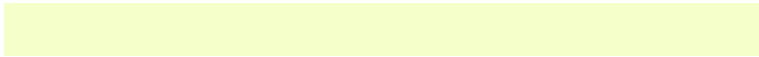
21.4041, 0.3127, 0.3290

Same Dimension

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



54.1113, 0.3332, 0.3733



95.0550, 0.3374, 0.3828



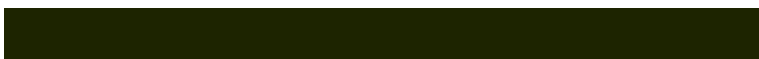
52.0372, 0.3193, 0.3753



12.3064, 0.3235, 0.3520



31.0715, 0.3849, 0.5326



1.4991, 0.3925, 0.5266

Inverse Universe

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



38.8069, 0.2899, 0.2823



63.2145, 0.2845, 0.2716



40.8203, 0.3048, 0.2843



10.3873, 0.3013, 0.3053



2.9657, 0.1604, 0.0657



0.1713, 0.1805, 0.0768

Previews

White Background



This preview shows how the Yxy color 54.1089, 0.3332, 0.3733 looks on a white background.

Color Contrast Check

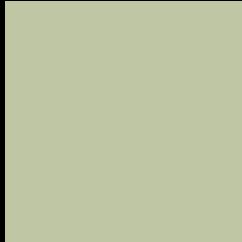
Large Text (above 18pt) WCAG AA × Fail

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 54.1089, 0.3332, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

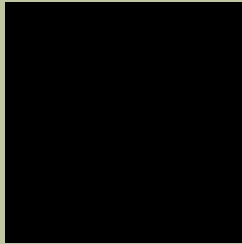
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

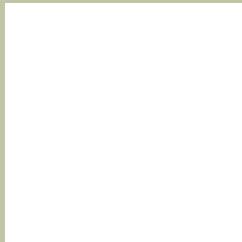
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1089, 0.3332, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 54.1089, 0.3332, 0.3733.



This preview shows how white text looks on a background with the Yxy color 54.1089, 0.3332, 0.3733.

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

54.1089, 0.3332, 0.3733

Protanopia

54.1359, 0.3474, 0.3695

Deuteranopia

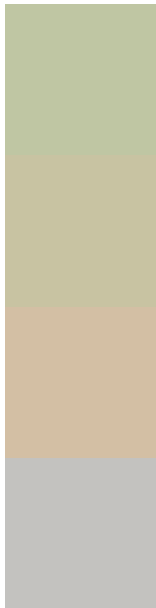
53.9452, 0.3617, 0.3548



Tritanopia

54.0746, 0.3056, 0.3110

Trichromacy



Original Color

54.1089, 0.3332, 0.3733

Protanomaly

53.9182, 0.3421, 0.3700

Deuteranomaly

53.7908, 0.3509, 0.3616

Tritanomaly

53.9473, 0.3158, 0.3327

Monochromacy



Original Color

54.1089, 0.3332, 0.3733

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.1262, 0.3209, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1089, 0.3332, 0.3733 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(191, 198, 163)` looks like.

```
.text, #text, p{  
    color:rgb(191, 198, 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(191, 198, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 198, 163) }
```

Border

The CSS property to change the border of an element to Yxy 54.1089, 0.3332, 0.3733 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(191, 198, 163) }
```

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

```
.border{ border-color:rgb(191, 198, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 198, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 198, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 198, 163);  
box-shadow:4px 4px 4px 4px rgb(191, 198,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1089, 0.3332, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 198, 163) }
```

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

```
.background{ background-color: rgb(191,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor