

Converting Colors

$Yxy(54.2885, 0.3170, 0.4006)$

Have a look what the booklet for
Yxy(54.2885, 0.3170, 0.4006)
contains.

| | |
|--|----|
| Yxy(54.2291, 0.3168, 0.4002) | 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(54.2291, 0.3168, 0.4002)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A3CE99 |
| RGB | 163, 206, 153 |
| RGB Percent | 64%, 81%, 60% |
| CMY | 0.3607, 0.1922, 0.3999 |
| CMYK | 0.21, 0.00, 0.26, 0.19 |
| HSL | 109°, 35%, 70% |
| HSV | 109°, 26%, 81% |
| XYZ | 42.9280, 54.2291, 38.3479 |
| YIQ | 187.1010, -8.6150, -25.5990 |

Conversions

Conversions Part 2

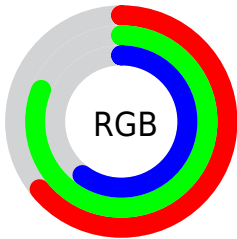
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 153, 206, 196 |
| Decimal | 10735257 |
| CIELab | 78.60, -24.12, 21.86 |
| CIELCh | 79, 32.545, 137.814 |
| Yxy | 54.2291, 0.3168, 0.4002 |
| Android (android.graphics.Color) | 4288925337 (0xFFA3CE99) |
| YUV | 187.1010, -16.8118, -21.1366 |
| Hunter-Lab | 73.6404, -24.8158, 20.6733 |

Details

The Yxy color **54.2291, 0.3168, 0.4002** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.9806, 0.3065, 0.2637**, and the grayscale version is **49.8572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1341, 0.3172, 0.3786**, and **26.7308, 0.3161, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **51.9589, 0.3178, 0.4325**, and if you desaturate by 10%, it is **56.8547, 0.3154, 0.3703**.

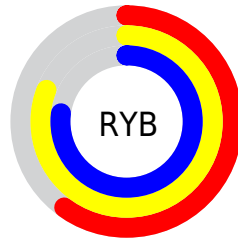
Distribution



Red (64%)

Green (81%)

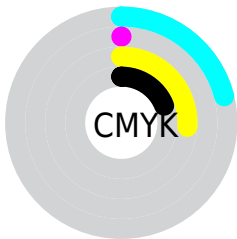
Blue (60%)



Red (60%)

Yellow (81%)

Blue (77%)

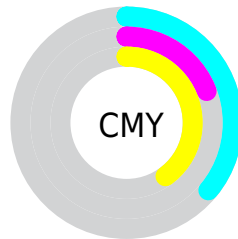


Cyan (21%)

Magenta (0%)

Yellow (26%)

Black (19%)



Cyan (36%)

Magenta (19%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2291, 0.3168, 0.4002 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 54.2291, 0.3168, 0.4002 by changing the saturation by 10% instead.

 54.2291, 0.3168,
0.4002

 54.2291, 0.3168,
0.4002

402.9830, 0.3156,
0.3641

 38.7849, 0.3168,
0.4093


 96.4105, 0.3165,
0.3870

 26.5924, 0.3167,
0.4211


 123.9165, 0.3164,
0.3821

 17.2673, 0.3163,
0.4367


156.2119, 0.3162,
0.3779

 10.4253, 0.3152,
0.4587

193.6810, 0.3161,
0.3744

 5.6818, 0.3124,
0.4914

236.7083, 0.3160,
0.3713

 2.6526, 0.3061,
0.5468

285.6781, 0.3158,

 0.9532, 0.2488,

0.3686

0.7512

340.9749, 0.3157,
0.3662

0.0000, 0.0000,
0.0000

54.2291, 0.3168,
0.4002

54.2291, 0.3168,
0.4002

51.9589, 0.3178,
0.4325

56.8547, 0.3154,
0.3703

50.0220, 0.3181,
0.4663

59.8428, 0.3137,
0.3432

48.4044, 0.3177,
0.4999

63.2092, 0.3119,
0.3190

47.0885, 0.3163,
0.5313

66.9665, 0.3101,
0.2978

46.0549, 0.3140,
0.5582

71.0613, 0.3089,
0.2802

■ 45.2818, 0.3109,
0.5786

■ 72.6232, 0.3150,
0.2811

■ 44.7437, 0.3073,
0.5914

■ 44.5718, 0.3059,
0.5953

Harmonies

Analogous

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



54.2291, 0.3586, 0.4063



54.2291, 0.3168, 0.4002



54.2291, 0.2757, 0.3701

Triad

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



54.2291, 0.3168, 0.4002



54.2291, 0.2401, 0.2658



54.2291, 0.3838, 0.3241

Complementary

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



54.2291, 0.3168, 0.4002



38.9806, 0.3065, 0.2637

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.



54.2291, 0.3479, 0.2921



54.2291, 0.3168, 0.4002



54.2291, 0.2650, 0.2593

Square

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



54.2291, 0.3168, 0.4002



54.2291, 0.2334, 0.2897



54.2291, 0.3038, 0.2690



54.2291, 0.3991, 0.3590

Rectangle

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



54.2291, 0.3168, 0.4002



54.2291, 0.2540, 0.3422



54.2291, 0.3038, 0.2690



54.2291, 0.3736, 0.3128

Sweetspot

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



54.2314, 0.3168, 0.4002



95.7499, 0.3142, 0.3493



54.6340, 0.3542, 0.3808



20.3330, 0.3144, 0.3534



0.0000, 0.0000, 0.0000



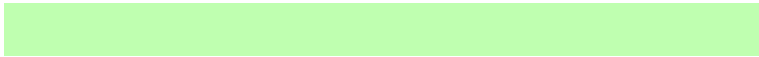
21.4041, 0.3127, 0.3290

Same Dimension

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



54.2314, 0.3168, 0.4002



85.7112, 0.3174, 0.4183



53.7783, 0.2988, 0.3793



12.6371, 0.3144, 0.3528



27.4771, 0.3066, 0.5948



1.4488, 0.3194, 0.5846

Inverse Universe

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



38.9806, 0.3065, 0.2637



56.7916, 0.3047, 0.2488



39.6321, 0.3302, 0.2835



11.2926, 0.3108, 0.3059



7.8520, 0.2740, 0.1283



0.4334, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 54.2291, 0.3168, 0.4002 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 54.2291, 0.3168, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

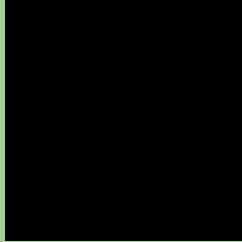
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.2291, 0.3168, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 54.2291, 0.3168, 0.4002.

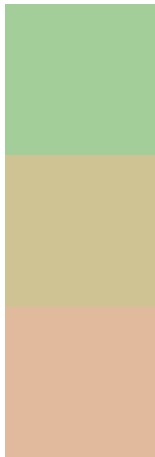


This preview shows how white text looks on a background with the Yxy color 54.2291, 0.3168, 0.4002.

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

54.2291, 0.3168, 0.4002

Protanopia

53.9556, 0.3602, 0.3865

Deuteranopia

53.5597, 0.3705, 0.3628



Tritanopia

54.1274, 0.2830, 0.3090

Trichromacy



Original Color

54.2291, 0.3168, 0.4002

Protanomaly

53.6345, 0.3437, 0.3914

Deuteranomaly

53.0968, 0.3490, 0.3749

Tritanomaly

54.0141, 0.2948, 0.3406

Monochromacy



Original Color

54.2291, 0.3168, 0.4002

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.1437, 0.3140, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.2291, 0.3168, 0.4002 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(163, 206, 153)` looks like.

```
.text, #text, p{  
    color:rgb(163, 206, 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(163, 206, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 206, 153) }
```

Border

The CSS property to change the border of an element to Yxy 54.2291, 0.3168, 0.4002 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(163, 206, 153) }
```

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

```
.border{ border-color:rgb(163, 206, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 206, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 206, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 206, 153);  
box-shadow:4px 4px 4px 4px rgb(163, 206,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 54.2291, 0.3168, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 206, 153) }
```

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

```
.background{ background-color: rgb(163,  
206, 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](#).

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