

Converting Colors

Yxy(51.7698, 0.3437, 0.4722)

Have a look what the booklet for
Yxy(51.7698, 0.3437, 0.4722)
contains.

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Color

Yxy(51.9327, 0.3436, 0.4733)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9ACE64 |
| RGB | 154, 206, 100 |
| RGB Percent | 60%, 81%, 39% |
| CMY | 0.3960, 0.1922, 0.6079 |
| CMYK | 0.25, 0.00, 0.51, 0.19 |
| HSL | 89°, 52%, 60% |
| HSV | 89°, 51%, 81% |
| XYZ | 37.7014, 51.9327, 20.0906 |
| YIQ | 178.3680, 3.0340, -43.9900 |

Conversions

Conversions Part 2

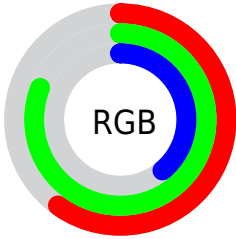
| Format | Color |
|-------------------------------------|--|
| RYB | 100, 206, 152 |
| Decimal | 10145380 |
| CIELab | 77.24, -34.52, 46.90 |
| CIELCh | 77, 58.236, 126.358 |
| Yxy | 51.9327, 0.3436, 0.4733 |
| Android (android.graphics.Color) | 4288335460 (0xFF9ACE64) |
| YUV | 178.3680, -38.6354, -21.3707 |
| Hunter-Lab | 72.0643, -32.7280, 33.9158 |

Details

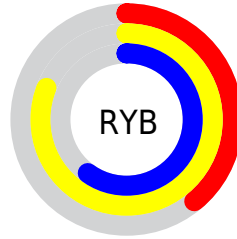
The Yxy color **51.9327, 0.3436, 0.4733** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.2407, 0.2611, 0.1846**, and the grayscale version is **44.9369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5215, 0.3421, 0.4397**, and **25.0559, 0.3464, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **50.6354, 0.3463, 0.5012**, and if you desaturate by 10%, it is **53.4188, 0.3392, 0.4438**.

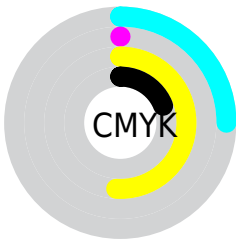
Distribution



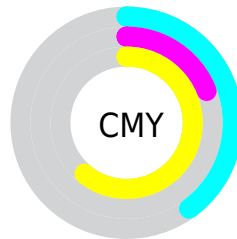
- Red (60%)
- Green (81%)
- Blue (39%)



- Red (39%)
- Yellow (81%)
- Blue (60%)



- Cyan (25%)
- Magenta (0%)
- Yellow (51%)
- Black (19%)




- Cyan (40%)
- Magenta (19%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9327, 0.3436, 0.4733 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 51.9327, 0.3436, 0.4733 by changing the saturation by 10% instead.


 51.9327, 0.3436,
0.4733


 51.9327, 0.3436,
0.4733


394.1767, 0.3320,
0.3994


 36.9514, 0.3450,
0.4917


 93.0320, 0.3405,
0.4464


 25.1699, 0.3458,
0.5149


 119.9188, 0.3389,
0.4363

 16.2037, 0.3451,
0.5451


 151.5429, 0.3375,
0.4277

 9.6684, 0.3408,
0.5847

 188.2887, 0.3362,
0.4204

 5.1797, 0.3393,
0.6601

230.5406, 0.3350,
0.4141

 2.3531, 0.2936,
0.7064

278.6830, 0.3339,

 0.8016, 0.0000,

0.4086

1.0000

333.1002, 0.3329,
0.4037

0.0000, 0.0000,
0.0000

51.9327, 0.3436,
0.4733

51.9327, 0.3436,
0.4733

50.6354, 0.3463,
0.5012

53.4188, 0.3392,
0.4438

49.5102, 0.3470,
0.5261

55.0958, 0.3337,
0.4141

48.5484, 0.3455,
0.5464

56.9741, 0.3273,
0.3852

47.7373, 0.3418,
0.5613

59.0616, 0.3206,
0.3578

47.1459, 0.3374,
0.5703

61.3653, 0.3137,
0.3325

■ 63.8922, 0.3069,
0.3094

■ 66.6487, 0.3004,
0.2885

■ 68.9943, 0.3005,
0.2790

■ 70.7608, 0.3077,
0.2800

Harmonies

Analogous

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



51.9327, 0.4133, 0.4564



51.9327, 0.3436, 0.4733



51.9327, 0.2696, 0.4348

Triad

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



51.9327, 0.3436, 0.4733



51.9327, 0.1819, 0.2290



51.9327, 0.4203, 0.2953

Complementary

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



51.9327, 0.3436, 0.4733



20.2407, 0.2611, 0.1846

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.



51.9327, 0.3439, 0.2489



51.9327, 0.3436, 0.4733



51.9327, 0.2105, 0.2111

Square

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



51.9327, 0.3436, 0.4733



51.9327, 0.1816, 0.2773



51.9327, 0.2667, 0.2191



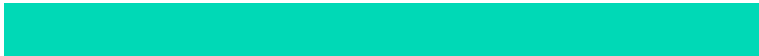
51.9327, 0.4643, 0.3508

Rectangle

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



51.9327, 0.3436, 0.4733



51.9327, 0.2279, 0.3831



51.9327, 0.2667, 0.2191



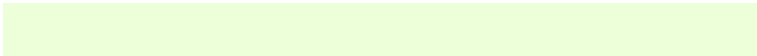
51.9327, 0.3969, 0.2785

Sweetspot

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



51.9350, 0.3436, 0.4733



94.3920, 0.3231, 0.3678



36.2485, 0.4219, 0.3935



20.0490, 0.3246, 0.3736



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.



51.9350, 0.3436, 0.4733



81.7859, 0.3465, 0.5047



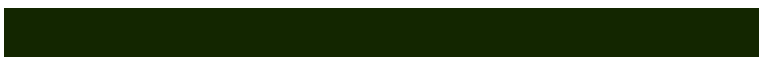
47.8729, 0.3061, 0.4914



12.8133, 0.3192, 0.3524



29.0891, 0.3385, 0.5694



1.5458, 0.3534, 0.5576

Inverse Universe

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



20.2407, 0.2611, 0.1846



24.7968, 0.2461, 0.1531



26.4391, 0.3166, 0.2058



11.1094, 0.3058, 0.3056



4.5049, 0.2012, 0.0882



0.2775, 0.2229, 0.1002

Previews

White Background



This preview shows how the Yxy color 51.9327, 0.3436, 0.4733 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 51.9327, 0.3436, 0.4733 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 51.9327, 0.3436, 0.4733

Background



This preview shows how black text looks on a background with the Yxy color 51.9327, 0.3436, 0.4733.



This preview shows how white text looks on a background with the Yxy color 51.9327, 0.3436, 0.4733.

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

51.9327, 0.3436, 0.4733

Protanopia

51.3548, 0.4033, 0.4402

Deuteranopia

51.2442, 0.4212, 0.4119



Tritanopia

51.7828, 0.2832, 0.3087

Trichromacy



Original Color

51.9327, 0.3436, 0.4733

Protanomaly

51.2901, 0.3805, 0.4525

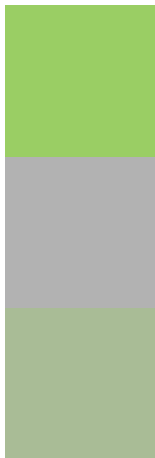
Deuteranomaly

50.6638, 0.3918, 0.4332

Tritanomaly

51.1830, 0.3063, 0.3666

Monochromacy



Original Color

51.9327, 0.3436, 0.4733

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.6035, 0.3261, 0.3814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9327, 0.3436, 0.4733 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(154, 206, 100)` looks like.

```
.text, #text, p{  
    color:rgb(154, 206, 100)  
}
```

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(154, 206, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 206, 100) }
```

Border

The CSS property to change the border of an element to Yxy 51.9327, 0.3436, 0.4733 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(154, 206, 100) }
```

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

```
.border{ border-color:rgb(154, 206, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 206, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 206, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 206, 100); box-shadow:4px 4px 4px 4px rgb(154, 206, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9327, 0.3436, 0.4733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 206, 100) }
```

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

```
.background{ background-color: rgb(154,  
206, 100) }
```

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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