

Converting Colors

$Yxy(55.5900, 0.3218, 0.4086)$

Have a look what the booklet for
Yxy(55.5900, 0.3218, 0.4086)
contains.

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Color

Yxy(55.3887, 0.3216, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	A6D095
RGB	166, 208, 149
RGB Percent	65%, 82%, 58%
CMY	0.3489, 0.1843, 0.4157
CMYK	0.20, 0.00, 0.28, 0.18
HSL	103°, 39%, 70%
HSV	103°, 28%, 82%
XYZ	43.7129, 55.3887, 36.8216
YIQ	188.7160, -6.0930, -27.2530

Conversions

Conversions Part 2

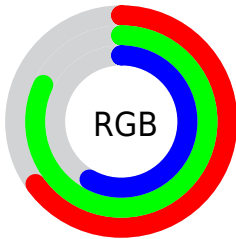
Format	Color
RYB	149, 208, 191
Decimal	10932373
CIELab	79.26, -24.68, 24.91
CIELCh	79, 35.063, 134.732
Yxy	55.3887, 0.3216, 0.4075
Android (android.graphics.Color)	4289122453 (0xFFA6D095)
YUV	188.7160, -19.5800, -19.9219
Hunter-Lab	74.4236, -25.3988, 22.7624

Details

The Yxy color **55.3887, 0.3216, 0.4075** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.1209, 0.3002, 0.2555**, and the grayscale version is **50.8401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3614, 0.3220, 0.3837**, and **27.1750, 0.3223, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **53.2766, 0.3239, 0.4394**, and if you desaturate by 10%, it is **57.8081, 0.3187, 0.3775**.

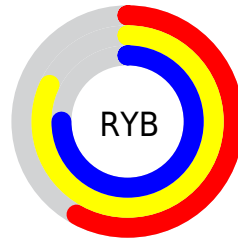
Distribution



Red (65%)

Green (82%)

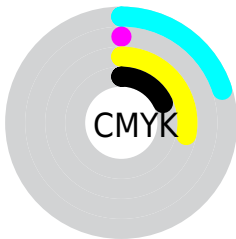
Blue (58%)



Red (58%)

Yellow (82%)

Blue (75%)

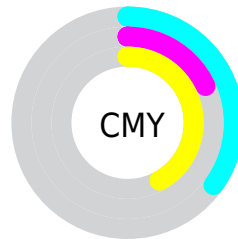


Cyan (20%)

Magenta (0%)

Yellow (28%)

Black (18%)



Cyan (35%)


Magenta (18%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3887, 0.3216, 0.4075 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 55.3887, 0.3216, 0.4075 by changing the saturation by 10% instead.


 55.3887, 0.3216,
0.4075

 55.3887, 0.3216,
0.4075


407.3837, 0.3182,
0.3678

 39.7130, 0.3221,
0.4175


 98.1102, 0.3206,
0.3930

 27.3149, 0.3226,
0.4303


 125.9249, 0.3202,
0.3876

 17.8098, 0.3228,
0.4473


158.5546, 0.3198,
0.3830

 10.8135, 0.3224,
0.4710

196.3838, 0.3194,
0.3791

 5.9416, 0.3204,
0.5058

239.7970, 0.3191,
0.3757

 2.8096, 0.3165,
0.5665

289.1784, 0.3187,

 1.0332, 0.2650,

0.3728

0.7350

344.9125, 0.3185,
0.3702

0.0000, 0.0000,
0.0000

55.3887, 0.3216,
0.4075

55.3887, 0.3216,
0.4075

53.2766, 0.3239,
0.4394

57.8081, 0.3187,
0.3775

51.4522, 0.3253,
0.4721

60.5394, 0.3155,
0.3500

49.9043, 0.3256,
0.5040

63.5961, 0.3122,
0.3251

48.6185, 0.3245,
0.5334

66.9888, 0.3088,
0.3030

47.5785, 0.3220,
0.5581

70.7275, 0.3055,
0.2835

■ 46.7661, 0.3181,
0.5766

■ 73.5510, 0.3147,
0.2831

■ 46.1573, 0.3134,
0.5883

■ 73.5897, 0.3149,
0.2831

■ 46.0725, 0.3127,
0.5899

Harmonies

Analogous

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



55.3887, 0.3656, 0.4108



55.3887, 0.3216, 0.4075



55.3887, 0.2772, 0.3774

Triad

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



55.3887, 0.3216, 0.4075



55.3887, 0.2338, 0.2633



55.3887, 0.3857, 0.3198

Complementary

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



55.3887, 0.3216, 0.4075



37.1209, 0.3002, 0.2555

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.



55.3887, 0.3455, 0.2867



55.3887, 0.3216, 0.4075



55.3887, 0.2582, 0.2547

Square

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



55.3887, 0.3216, 0.4075



55.3887, 0.2287, 0.2903



55.3887, 0.2983, 0.2635



55.3887, 0.4047, 0.3569

Rectangle

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



55.3887, 0.3216, 0.4075



55.3887, 0.2532, 0.3478



55.3887, 0.2983, 0.2635



55.3887, 0.3740, 0.3080

Sweetspot

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



55.3911, 0.3216, 0.4075



95.6438, 0.3158, 0.3519



52.5355, 0.3607, 0.3796



20.3296, 0.3163, 0.3558



0.0000, 0.0000, 0.0000



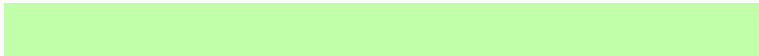
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3911, 0.3216, 0.4075



85.7404, 0.3231, 0.4266



54.0658, 0.3012, 0.3937



13.3693, 0.3159, 0.3527



28.7594, 0.3136, 0.5892



1.6487, 0.3277, 0.5780

Inverse Universe

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



37.1209, 0.3002, 0.2555



52.1527, 0.2967, 0.2391



38.8998, 0.3268, 0.2720



11.8304, 0.3092, 0.3058



6.8096, 0.2494, 0.1148



0.4202, 0.2630, 0.1222

Previews

White Background



This preview shows how the Yxy color 55.3887, 0.3216, 0.4075 looks on a white background.

Color Contrast Check

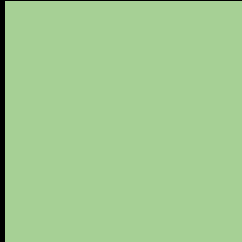
Large Text (above 18pt) WCAG AA × Fail

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 55.3887, 0.3216, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

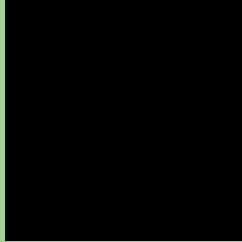
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3887, 0.3216, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 55.3887, 0.3216, 0.4075.



This preview shows how white text looks on a background with the Yxy color 55.3887, 0.3216, 0.4075.

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

55.3887, 0.3216, 0.4075

Protanopia

55.1951, 0.3645, 0.3918

Deuteranopia

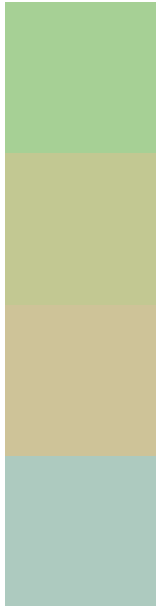
54.9244, 0.3768, 0.3692



Tritanopia

55.1003, 0.2852, 0.3093

Trichromacy



Original Color

55.3887, 0.3216, 0.4075

Protanomaly

54.8532, 0.3480, 0.3969

Deuteranomaly

54.4190, 0.3551, 0.3816

Tritanomaly

54.8869, 0.2985, 0.3430

Monochromacy



Original Color

55.3887, 0.3216, 0.4075

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.3596, 0.3170, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3887, 0.3216, 0.4075 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(166, 208, 149)` looks like.

```
.text, #text, p{  
    color:rgb(166, 208, 149)  
}
```

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(166, 208, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 208, 149) }
```

Border

The CSS property to change the border of an element to Yxy 55.3887, 0.3216, 0.4075 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(166, 208, 149) }
```

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

```
.border{ border-color:rgb(166, 208, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 208, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 208, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 208, 149); box-shadow:4px 4px 4px 4px rgb(166, 208, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3887, 0.3216, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 208, 149) }
```

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

```
.background{ background-color: rgb(166,  
208, 149) }
```

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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