

Converting Colors

$Y_{xy}(55.2018, 0.3155, 0.3937)$

Have a look what the booklet for
Yxy(55.2018, 0.3155, 0.3937)
contains.

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Color

Yxy(55.2013, 0.3156, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	A6CF9E
RGB	166, 207, 158
RGB Percent	65%, 81%, 62%
CMY	0.3491, 0.1882, 0.3805
CMYK	0.20, 0.00, 0.24, 0.19
HSL	110°, 34%, 72%
HSV	110°, 24%, 81%
XYZ	44.2059, 55.2013, 40.6621
YIQ	189.1550, -8.7070, -23.9310

Conversions

Conversions Part 2

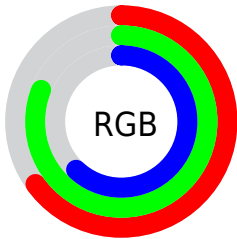
Format	Color
RYB	158, 207, 199
Decimal	10932126
CIELab	79.16, -22.77, 20.04
CIELCh	79, 30.330, 138.649
Yxy	55.2013, 0.3156, 0.3941
Android (android.graphics.Color)	4289122206 (0xFFA6CF9E)
YUV	189.1550, -15.3594, -20.3069
Hunter-Lab	74.2976, -23.8161, 19.5596

Details

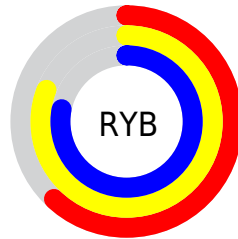
The Yxy color **55.2013, 0.3156, 0.3941** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0947, 0.3082, 0.2692**, and the grayscale version is **51.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8537, 0.3162, 0.3729**, and **27.3338, 0.3154, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **52.8025, 0.3163, 0.4262**, and if you desaturate by 10%, it is **57.9770, 0.3145, 0.3646**.

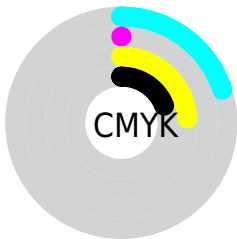
Distribution



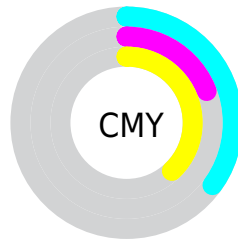
- Red (65%)
- Green (81%)
- Blue (62%)



- Red (62%)
- Yellow (81%)
- Blue (78%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)




- Cyan (35%)
- Magenta (19%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2013, 0.3156, 0.3941 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 55.2013, 0.3156, 0.3941 by changing the saturation by 10% instead.


 55.2013, 0.3156,
0.3941


 55.2013, 0.3156,
0.3941


406.6745, 0.3148,
0.3613

 39.5629, 0.3156,
0.4023


 97.8358, 0.3155,
0.3821

 27.1979, 0.3154,
0.4129


 125.6008, 0.3154,
0.3777

 17.7219, 0.3150,
0.4271


158.1767, 0.3153,
0.3739

 10.7505, 0.3140,
0.4468

195.9479, 0.3152,
0.3706

 5.8993, 0.3116,
0.4761

239.2990, 0.3151,
0.3678

 2.7840, 0.3054,
0.5237

288.6141, 0.3150,

 1.0200, 0.2856,

0.3654

0.7144

344.2779, 0.3149,
0.3632

0.0000, 0.0000,
0.0000

55.2013, 0.3156,
0.3941

55.2013, 0.3156,
0.3941

52.8025, 0.3163,
0.4262

57.9770, 0.3145,
0.3646

50.7575, 0.3165,
0.4601

61.1376, 0.3132,
0.3380

49.0515, 0.3159,
0.4941

64.6996, 0.3118,
0.3145

47.6658, 0.3146,
0.5265

68.6765, 0.3103,
0.2939

46.5799, 0.3125,
0.5546

72.6565, 0.3132,
0.2819

■ 45.7707, 0.3097,
0.5765

■ 73.1106, 0.3149,
0.2821

■ 45.2117, 0.3065,
0.5907

■ 44.9673, 0.3046,
0.5963

Harmonies

Analogous

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



55.2013, 0.3545, 0.4007



55.2013, 0.3156, 0.3941



55.2013, 0.2775, 0.3659

Triad

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



55.2013, 0.3156, 0.3941



55.2013, 0.2455, 0.2700



55.2013, 0.3792, 0.3256

Complementary

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



55.2013, 0.3156, 0.3941



41.0947, 0.3082, 0.2692

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.



55.2013, 0.3464, 0.2955



55.2013, 0.3156, 0.3941



55.2013, 0.2692, 0.2641

Square

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



55.2013, 0.3156, 0.3941



55.2013, 0.2387, 0.2919



55.2013, 0.3057, 0.2735



55.2013, 0.3928, 0.3581

Rectangle

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



55.2013, 0.3156, 0.3941



55.2013, 0.2575, 0.3402



55.2013, 0.3057, 0.2735



55.2013, 0.3699, 0.3150

Sweetspot

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



55.2037, 0.3156, 0.3941



96.1797, 0.3137, 0.3467



56.5072, 0.3503, 0.3785



20.5191, 0.3138, 0.3483



0.0000, 0.0000, 0.0000



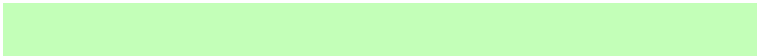
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2037, 0.3156, 0.3941



86.6002, 0.3160, 0.4088



54.9661, 0.2988, 0.3725



13.2976, 0.3140, 0.3529



28.3557, 0.3052, 0.5959



1.6151, 0.3161, 0.5872

Inverse Universe

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



41.0947, 0.3082, 0.2692



60.4509, 0.3070, 0.2571



41.4601, 0.3300, 0.2891



11.9073, 0.3112, 0.3059



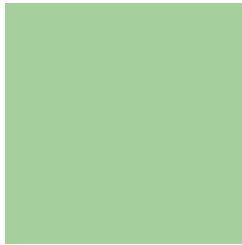
8.4857, 0.2802, 0.1317



0.5012, 0.2881, 0.1361

Previews

White Background



This preview shows how the Yxy color 55.2013, 0.3156, 0.3941 looks on a white background.

Color Contrast Check

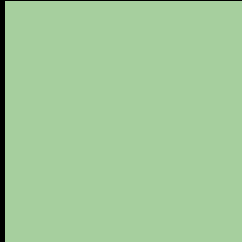
Large Text (above 18pt) WCAG AA × Fail

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 55.2013, 0.3156, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

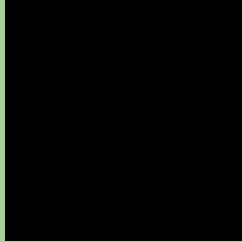
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.2013, 0.3156, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 55.2013, 0.3156, 0.3941.



This preview shows how white text looks on a background with the Yxy color 55.2013, 0.3156, 0.3941.

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

55.2013, 0.3156, 0.3941

Protanopia

54.7071, 0.3568, 0.3813

Deuteranopia

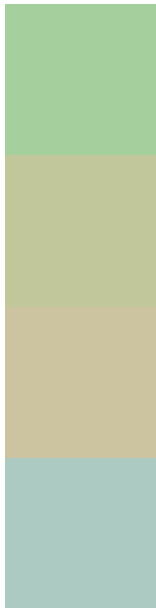
54.7438, 0.3666, 0.3592



Tritanopia

54.8671, 0.2838, 0.3092

Trichromacy



Original Color

55.2013, 0.3156, 0.3941

Protanomaly

54.5174, 0.3414, 0.3858

Deuteranomaly

54.4408, 0.3463, 0.3708

Tritanomaly

54.9068, 0.2957, 0.3392

Monochromacy



Original Color

55.2013, 0.3156, 0.3941

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.5180, 0.3140, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2013, 0.3156, 0.3941 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, 207, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 207, 158)  
}
```

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, 207, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 207, 158) }
```

Border

The CSS property to change the border of an element to Yxy 55.2013, 0.3156, 0.3941 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, 207, 158) }
```

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

```
.border{ border-color:rgb(166, 207, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 207, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 207, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 207, 158); box-shadow:4px 4px 4px 4px rgb(166, 207, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2013, 0.3156, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 207, 158) }
```

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

```
.background{ background-color: rgb(166,  
207, 158) }
```

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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