

Converting Colors

$Yxy(56.5042, 0.3213, 0.4233)$

Have a look what the booklet for
Yxy(56.5042, 0.3213, 0.4233)
contains.

Yxy(56.5135, 0.3211, 0.4228)	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(56.5135, 0.3211, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	A0D48E
RGB	160, 212, 142
RGB Percent	63%, 83%, 56%
CMY	0.3726, 0.1686, 0.4432
CMYK	0.25, 0.00, 0.33, 0.17
HSL	105°, 45%, 69%
HSV	105°, 33%, 83%
XYZ	42.9198, 56.5135, 34.2316
YIQ	188.4720, -8.5220, -32.7940

Conversions

Conversions Part 2

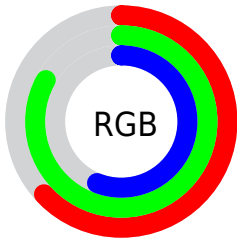
Format	Color
RYB	142, 212, 194
Decimal	10540174
CIELab	79.91, -29.79, 29.36
CIELCh	80, 41.824, 135.413
Yxy	56.5135, 0.3211, 0.4228
Android (android.graphics.Color)	4288730254 (0xFFA0D48E)
YUV	188.4720, -22.9107, -24.9699
Hunter-Lab	75.1755, -29.6464, 25.6248

Details

The Yxy color **56.5135, 0.3211, 0.4228** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5672, 0.2996, 0.2432**, and the grayscale version is **50.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1045, 0.3221, 0.3920**, and **27.9951, 0.3214, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **54.4168, 0.3226, 0.4556**, and if you desaturate by 10%, it is **58.9418, 0.3190, 0.3915**.

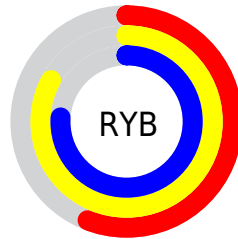
Distribution



Red (63%)

Green (83%)

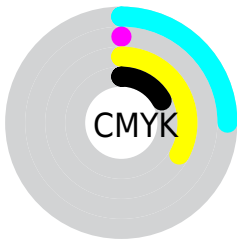
Blue (56%)



Red (56%)

Yellow (83%)

Blue (76%)

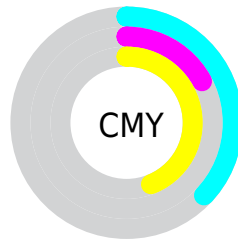


Cyan (25%)

Magenta (0%)

Yellow (33%)

Black (17%)



Cyan (37%)


Magenta (17%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5135, 0.3211, 0.4228 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 56.5135, 0.3211, 0.4228 by changing the saturation by 10% instead.


 56.5135, 0.3211,
0.4228

 56.5135, 0.3211,
0.4228


411.6238, 0.3184,
0.3753

 40.6148, 0.3213,
0.4347


 99.7550, 0.3205,
0.4055

 28.0182, 0.3213,
0.4501


 127.8665, 0.3201,
0.3990

 18.3394, 0.3207,
0.4704


160.8178, 0.3198,
0.3935

 11.1939, 0.3189,
0.4985

198.9932, 0.3195,
0.3888

 6.1974, 0.3143,
0.5395

242.7771, 0.3192,
0.3847

 2.9655, 0.3095,
0.6183

292.5539, 0.3189,

 1.1137, 0.2205,

0.3812

0.7795

348.7080, 0.3186,
0.3781

0.0000, 0.0000,
0.0000

56.5135, 0.3211,
0.4228

56.5135, 0.3211,
0.4228

54.4168, 0.3226,
0.4556

58.9418, 0.3190,
0.3915

52.6300, 0.3231,
0.4886

61.7082, 0.3164,
0.3626

51.1397, 0.3225,
0.5201


64.8277, 0.3136,
0.3364

49.9287, 0.3206,
0.5478


68.3126, 0.3107,
0.3130

48.9779, 0.3174,
0.5699

72.1744, 0.3078,
0.2923

 48.2652, 0.3132,
0.5850

 75.4759, 0.3143,
0.2870

 47.8892, 0.3102,
0.5919

 75.5714, 0.3147,
0.2871

Harmonies

Analogous

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



56.5135, 0.3732, 0.4261



56.5135, 0.3211, 0.4228



56.5135, 0.2692, 0.3859

Triad

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



56.5135, 0.3211, 0.4228



56.5135, 0.2210, 0.2513



56.5135, 0.4002, 0.3184

Complementary

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



56.5135, 0.3211, 0.4228



35.5672, 0.2996, 0.2432

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.



56.5135, 0.3525, 0.2802



56.5135, 0.3211, 0.4228



56.5135, 0.2495, 0.2425

Square

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



56.5135, 0.3211, 0.4228



56.5135, 0.2145, 0.2816



56.5135, 0.2966, 0.2532



56.5135, 0.4219, 0.3613

Rectangle

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



56.5135, 0.3211, 0.4228



56.5135, 0.2417, 0.3497



56.5135, 0.2966, 0.2532



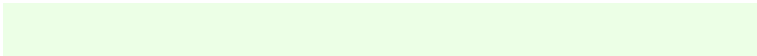
56.5135, 0.3864, 0.3048

Sweetspot

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



56.5159, 0.3211, 0.4228



95.0472, 0.3156, 0.3546



54.2399, 0.3688, 0.3908



20.2046, 0.3160, 0.3585



0.0000, 0.0000, 0.0000



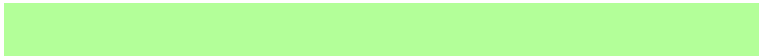
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5159, 0.3211, 0.4228



83.4293, 0.3223, 0.4470



55.3209, 0.2980, 0.4031



14.0487, 0.3154, 0.3528



29.6027, 0.3110, 0.5913



1.8254, 0.3237, 0.5812

Inverse Universe

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



35.5672, 0.2996, 0.2432



46.6251, 0.2956, 0.2234



37.3112, 0.3320, 0.2649



12.4646, 0.3097, 0.3057



7.4420, 0.2570, 0.1189



0.4874, 0.2685, 0.1253

Previews

White Background



This preview shows how the Yxy color 56.5135, 0.3211, 0.4228 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 56.5135, 0.3211, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

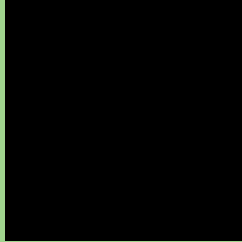
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5135, 0.3211, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 56.5135, 0.3211, 0.4228.

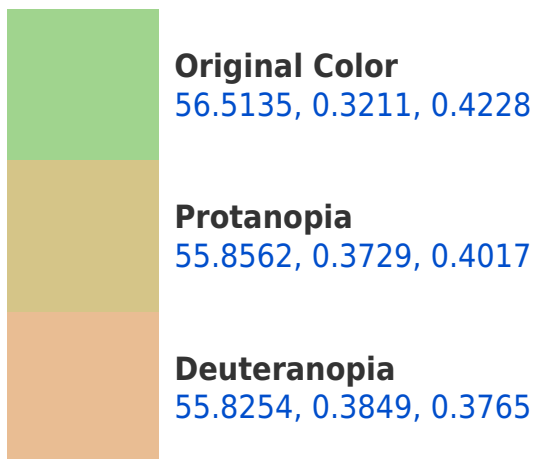


This preview shows how white text looks on a background with the Yxy color 56.5135, 0.3211, 0.4228.

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





Tritanopia

56.2398, 0.2801, 0.3081

Trichromacy



Original Color

56.5135, 0.3211, 0.4228

Protanomaly

55.5454, 0.3533, 0.4092

Deuteranomaly

55.0987, 0.3599, 0.3925

Tritanomaly

56.2290, 0.2949, 0.3482

Monochromacy



Original Color

56.5135, 0.3211, 0.4228

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

52.3378, 0.3167, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5135, 0.3211, 0.4228 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(160, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(160, 212, 142)  
}
```

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(160, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 212, 142) }
```

Border

The CSS property to change the border of an element to Yxy 56.5135, 0.3211, 0.4228 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(160, 212, 142) }
```

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

```
.border{ border-color:rgb(160, 212, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 212, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(160, 212,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5135, 0.3211, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 212, 142) }
```

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

```
.background{ background-color: rgb(160,  
212, 142) }
```

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