

Converting Colors

$Yxy(43.8163, 0.3055, 0.4159)$

Have a look what the booklet for
Yxy(43.8163, 0.3055, 0.4159)
contains.

Yxy(43.7287, 0.3056, 0.4158)	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(43.7287, 0.3056, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	82BF86
RGB	130, 191, 134
RGB Percent	51%, 75%, 53%
CMY	0.4902, 0.2510, 0.4745
CMYK	0.32, 0.00, 0.30, 0.25
HSL	124°, 32%, 63%
HSV	124°, 32%, 75%
XYZ	32.1392, 43.7287, 29.2997
YIQ	166.2630, -18.0590, -30.6590

Conversions

Conversions Part 2

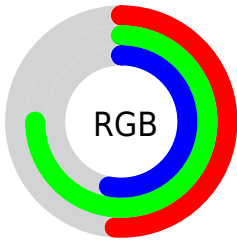
Format	Color
RYB	130, 187, 191
Decimal	8568710
CIELab	72.05, -31.17, 22.68
CIELCh	72, 38.552, 143.958
Yxy	43.7287, 0.3056, 0.4158
Android (android.graphics.Color)	4286758790 (0xFF82BF86)
YUV	166.2630, -15.9057, -31.8027
Hunter-Lab	66.1277, -28.9693, 20.0193

Details

The Yxy color **43.7287, 0.3056, 0.4158** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6295, 0.3204, 0.2553**, and the grayscale version is **38.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0369, 0.3082, 0.3993**, and **20.1511, 0.3015, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **41.9010, 0.3034, 0.4486**, and if you desaturate by 10%, it is **45.9245, 0.3079, 0.3853**.

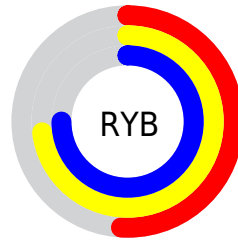
Distribution



Red (51%)

Green (75%)

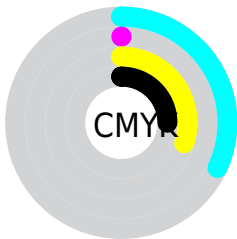
Blue (53%)



Red (51%)

Yellow (73%)

Blue (75%)

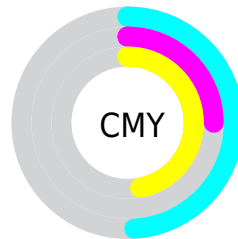


Cyan (32%)

Magenta (0%)

Yellow (30%)

Black (25%)



Cyan (49%)


Magenta (25%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7287, 0.3056, 0.4158 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 43.7287, 0.3056, 0.4158 by changing the saturation by 10% instead.


 43.7287, 0.3056,
0.4158

 43.7287, 0.3056,
0.4158


361.6000, 0.3104,
0.3698


 30.4573, 0.3040,
0.4281


 80.8093, 0.3077,
0.3985

 20.1859, 0.3015,
0.4444


 105.3874, 0.3083,
0.3921

 12.5303, 0.2978,
0.4670


 134.5030, 0.3089,
0.3869

 7.1059, 0.2914,
0.5001

168.5408, 0.3093,
0.3824

 3.5284, 0.2790,
0.5525

207.8849, 0.3096,
0.3786

 1.4134, 0.2639,
0.7361

252.9199, 0.3099,

 0.2266, 0.0000,

0.3753

1.0000

304.0302, 0.3102,
0.3724

0.0000, 0.0000,
0.0000

43.7287, 0.3056,
0.4158

43.7287, 0.3056,
0.4158

41.9010, 0.3034,
0.4486

45.9245, 0.3079,
0.3853

40.4162, 0.3014,
0.4825

48.5011, 0.3102,
0.3577

39.2543, 0.2998,
0.5156

51.4774, 0.3123,
0.3334


38.3914, 0.2987,
0.5457


54.8694, 0.3143,
0.3121

37.7999, 0.2983,
0.5702

58.6922, 0.3162,
0.2937

 37.4474, 0.2986,
0.5875

 62.9603, 0.3179,
0.2778

 37.2916, 0.2989,
0.5960

 65.7437, 0.3157,
0.2663

Harmonies

Analogous

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



43.7287, 0.3594, 0.4291



43.7287, 0.3056, 0.4158



43.7287, 0.2563, 0.3711

Triad

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



43.7287, 0.3056, 0.4158



43.7287, 0.2267, 0.2463



43.7287, 0.4099, 0.3305

Complementary

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



43.7287, 0.3056, 0.4158



30.6295, 0.3204, 0.2553

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.



43.7287, 0.3680, 0.2901



43.7287, 0.3056, 0.4158



43.7287, 0.2611, 0.2433

Square

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



43.7287, 0.3056, 0.4158



43.7287, 0.2137, 0.2705



43.7287, 0.3122, 0.2592



43.7287, 0.4225, 0.3735

Rectangle

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



43.7287, 0.3056, 0.4158



43.7287, 0.2322, 0.3336



43.7287, 0.3122, 0.2592



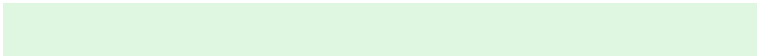
43.7287, 0.3987, 0.3164

Sweetspot

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



43.7305, 0.3056, 0.4158



87.7574, 0.3106, 0.3532



49.5610, 0.3576, 0.4084



19.1131, 0.3102, 0.3568



97.7402, 0.3127, 0.3290



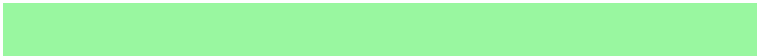
20.4902, 0.3127, 0.3290

Same Dimension

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



43.7305, 0.3056, 0.4158



76.0643, 0.3041, 0.4375



44.6735, 0.2854, 0.3696



10.6595, 0.3107, 0.3511



24.5106, 0.2986, 0.5950



0.9636, 0.2934, 0.5763

Inverse Universe

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



30.6295, 0.3204, 0.2553



49.0993, 0.3222, 0.2403



29.4913, 0.3524, 0.2920



9.6852, 0.3147, 0.3078



9.4088, 0.3379, 0.1635



0.3718, 0.3334, 0.1610

Previews

White Background



This preview shows how the Yxy color 43.7287, 0.3056, 0.4158 looks on a white background.

Color Contrast Check

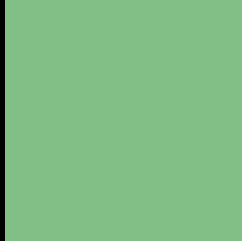
Large Text (above 18pt) WCAG AA × Fail

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 43.7287, 0.3056, 0.4158 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 43.7287, 0.3056, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 43.7287, 0.3056, 0.4158.

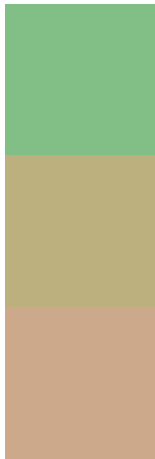


This preview shows how white text looks on a background with the Yxy color 43.7287, 0.3056, 0.4158.

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

43.7287, 0.3056, 0.4158

Protanopia

43.4018, 0.3665, 0.3943

Deuteranopia

43.2192, 0.3741, 0.3672



Tritanopia

43.6950, 0.2699, 0.3081

Trichromacy



Original Color

43.7287, 0.3056, 0.4158

Protanomaly

42.9843, 0.3425, 0.4011

Deuteranomaly

42.7154, 0.3471, 0.3842

Tritanomaly

43.6162, 0.2829, 0.3448

Monochromacy



Original Color

43.7287, 0.3056, 0.4158

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.7653, 0.3104, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7287, 0.3056, 0.4158 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(130, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(130, 191, 134)  
}
```

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(130, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 191, 134) }
```

Border

The CSS property to change the border of an element to Yxy 43.7287, 0.3056, 0.4158 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(130, 191, 134) }
```

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

```
.border{ border-color:rgb(130, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(130, 191,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7287, 0.3056, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 191, 134) }
```

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

```
.background{ background-color: rgb(130,  
191, 134) }
```

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