

Converting Colors

Yxy(51.8272, 0.3191, 0.4236)

Have a look what the booklet for
Yxy(51.8272, 0.3191, 0.4236)
contains.

Yxy(51.5712, 0.3186, 0.4227)	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(51.5712, 0.3186, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	97CC89
RGB	151, 204, 137
RGB Percent	59%, 80%, 54%
CMY	0.4078, 0.2000, 0.4628
CMYK	0.26, 0.00, 0.33, 0.20
HSL	107°, 40%, 67%
HSV	107°, 33%, 80%
XYZ	38.8706, 51.5712, 31.5625
YIQ	180.5150, -10.0810, -32.0730

Conversions

Conversions Part 2

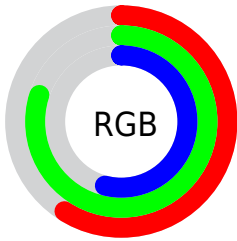
Format	Color
RYB	137, 204, 190
Decimal	9948297
CIELab	77.02, -29.83, 28.02
CIELCh	77, 40.928, 136.790
Yxy	51.5712, 0.3186, 0.4227
Android (android.graphics.Color)	4288138377 (0xFF97CC89)
YUV	180.5150, -21.4529, -25.8847
Hunter-Lab	71.8131, -29.0555, 24.2107

Details

The Yxy color **51.5712, 0.3186, 0.4227** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1874, 0.3028, 0.2447**, and the grayscale version is **46.0559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4034, 0.3186, 0.3988**, and **25.0812, 0.3180, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **49.6031, 0.3194, 0.4559**, and if you desaturate by 10%, it is **53.8655, 0.3172, 0.3912**.

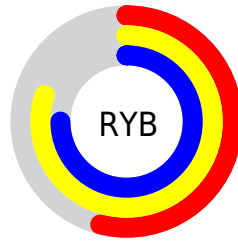
Distribution



Red (59%)

Green (80%)

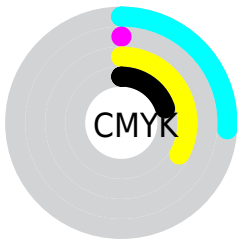
Blue (54%)



Red (54%)

Yellow (80%)

Blue (75%)

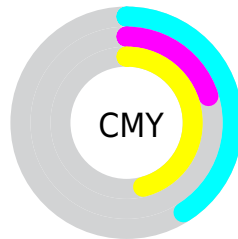


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (20%)



Cyan (41%)


Magenta (20%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5712, 0.3186, 0.4227 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 51.5712, 0.3186, 0.4227 by changing the saturation by 10% instead.


 51.5712, 0.3186,
0.4227


 51.5712, 0.3186,
0.4227


392.7790, 0.3171,
0.3745


 36.6634, 0.3185,
0.4351


 92.4985, 0.3184,
0.4049

 24.9470, 0.3181,
0.4511


 119.2869, 0.3182,
0.3983

 16.0376, 0.3169,
0.4727


 150.8042, 0.3180,
0.3927

 9.5507, 0.3143,
0.5030

187.4348, 0.3178,
0.3880

 5.1021, 0.3079,
0.5483

229.5632, 0.3176,
0.3839

 2.3073, 0.3109,
0.6624

277.5738, 0.3174,


 0.7776, 0.0138,

0.3804


0.9862


331.8509, 0.3172,
0.3772


 0.0000, 0.0000,
0.0000

 51.5712, 0.3186,
0.4227

 51.5712, 0.3186,
0.4227


 49.6031, 0.3194,
0.4559


 53.8655, 0.3172,
0.3912

 47.9399, 0.3195,
0.4895


 56.4932, 0.3154,
0.3621


 46.5677, 0.3185,
0.5215


 59.4695, 0.3133,
0.3359


 45.4691, 0.3165,
0.5498


 62.8067, 0.3112,
0.3127

 44.6246, 0.3135,
0.5722

 66.5164, 0.3090,
0.2922

 44.0118, 0.3098,
0.5874

 70.3245, 0.3098,
0.2783

 43.6951, 0.3071,
0.5944

 71.6677, 0.3151,
0.2792

Harmonies

Analogous

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



51.5712, 0.3715, 0.4276



51.5712, 0.3186, 0.4227



51.5712, 0.2667, 0.3841

Triad

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



51.5712, 0.3186, 0.4227



51.5712, 0.2211, 0.2497



51.5712, 0.4026, 0.3202

Complementary

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



51.5712, 0.3186, 0.4227



33.1874, 0.3028, 0.2447

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.



51.5712, 0.3554, 0.2814



51.5712, 0.3186, 0.4227



51.5712, 0.2508, 0.2419

Square

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



51.5712, 0.3186, 0.4227



51.5712, 0.2136, 0.2792



51.5712, 0.2989, 0.2536



51.5712, 0.4231, 0.3635

Rectangle

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



51.5712, 0.3186, 0.4227



51.5712, 0.2395, 0.3472



51.5712, 0.2989, 0.2536



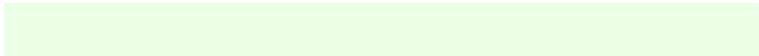
51.5712, 0.3891, 0.3065

Sweetspot

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



51.5734, 0.3186, 0.4227



94.8400, 0.3148, 0.3547



51.2460, 0.3671, 0.3942



20.1548, 0.3151, 0.3585



0.0000, 0.0000, 0.0000



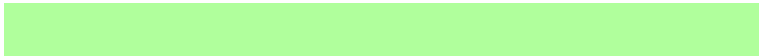
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5734, 0.3186, 0.4227



83.1788, 0.3192, 0.4447



50.9031, 0.2960, 0.3975



12.6482, 0.3147, 0.3527



27.5338, 0.3078, 0.5938



1.4539, 0.3214, 0.5830

Inverse Universe

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



33.1874, 0.3028, 0.2447



48.3685, 0.3001, 0.2273



34.2256, 0.3352, 0.2693



11.2806, 0.3105, 0.3059



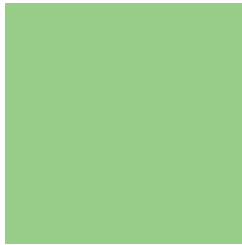
7.5728, 0.2688, 0.1255



0.4212, 0.2795, 0.1314

Previews

White Background



This preview shows how the Yxy color 51.5712, 0.3186, 0.4227 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 51.5712, 0.3186, 0.4227 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 51.5712, 0.3186, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 51.5712, 0.3186, 0.4227.

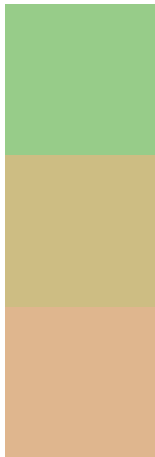


This preview shows how white text looks on a background with the Yxy color 51.5712, 0.3186, 0.4227.

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

51.5712, 0.3186, 0.4227

Protanopia

51.0130, 0.3729, 0.4007

Deuteranopia

51.0969, 0.3831, 0.3761



Tritanopia

51.4699, 0.2783, 0.3097

Trichromacy



Original Color

51.5712, 0.3186, 0.4227

Protanomaly

50.5913, 0.3517, 0.4087

Deuteranomaly

50.5907, 0.3582, 0.3925

Tritanomaly

51.1780, 0.2935, 0.3490

Monochromacy



Original Color

51.5712, 0.3186, 0.4227

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6579, 0.3153, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5712, 0.3186, 0.4227 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(151, 204, 137)` looks like.

```
.text, #text, p{  
    color:rgb(151, 204, 137)  
}
```

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(151, 204, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 204, 137) }
```

Border

The CSS property to change the border of an element to Yxy 51.5712, 0.3186, 0.4227 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(151, 204, 137) }
```

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

```
.border{ border-color:rgb(151, 204, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 204, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 204, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 204, 137);  
box-shadow:4px 4px 4px 4px rgb(151, 204,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5712, 0.3186, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 204, 137) }
```

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

```
.background{ background-color: rgb(151,  
204, 137) }
```

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