

Converting Colors

Yxy(58.4711, 0.3104, 0.4321)

Have a look what the booklet for
Yxy(58.4711, 0.3104, 0.4321)
contains.

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Color

Yxy(58.2068, 0.3105, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	92DA8E
RGB	146, 218, 142
RGB Percent	57%, 85%, 56%
CMY	0.4275, 0.1451, 0.4431
CMYK	0.33, 0.00, 0.35, 0.15
HSL	117°, 51%, 71%
HSV	117°, 35%, 85%
XYZ	41.8071, 58.2068, 34.6306
YIQ	187.8080, -18.5160, -38.9000

Conversions

Conversions Part 2

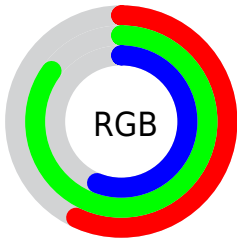
Format	Color
RYB	142, 218, 214
Decimal	9624206
CIELab	80.85, -37.22, 30.47
CIELCh	81, 48.100, 140.694
Yxy	58.2068, 0.3105, 0.4323
Android (android.graphics.Color)	4287814286 (0xFF92DA8E)
YUV	187.8080, -22.5833, -36.6656
Hunter-Lab	76.2934, -35.6993, 26.4929

Details

The Yxy color **58.2068, 0.3105, 0.4323** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7174, 0.3131, 0.2420**, and the grayscale version is **50.3135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0621, 0.3133, 0.3937**, and **29.2250, 0.3072, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **55.8916, 0.3093, 0.4675**, and if you desaturate by 10%, it is **60.9972, 0.3114, 0.3989**.

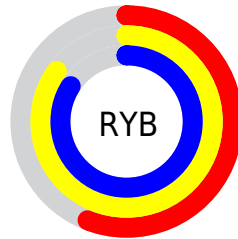
Distribution



Red (57%)

Green (85%)

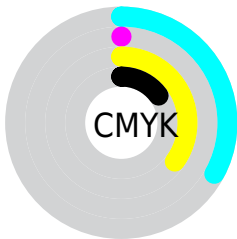
Blue (56%)



Red (56%)

Yellow (85%)

Blue (84%)

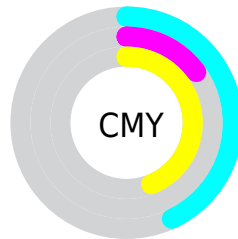


Cyan (33%)

Magenta (0%)

Yellow (35%)

Black (15%)



Cyan (43%)


Magenta (15%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2068, 0.3105, 0.4323 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 58.2068, 0.3105, 0.4323 by changing the saturation by 10% instead.


 58.2068, 0.3105,
0.4323


 58.2068, 0.3105,
0.4323


417.9561, 0.3132,
0.3798

 41.9749, 0.3093,
0.4455

 102.2239, 0.3119,
0.4131

 29.0817, 0.3075,
0.4625


 130.7780, 0.3123,
0.4059

 19.1426, 0.3045,
0.4852


164.2083, 0.3126,
0.3999

 11.7734, 0.2995,
0.5165

202.8991, 0.3128,
0.3947

 6.5895, 0.2900,
0.5621

247.2349, 0.3129,
0.3902

 3.2068, 0.2759,
0.6467

297.6001, 0.3131,

 1.2406, 0.1584,

0.3863

0.8416

354.3790, 0.3132,
0.3829

■ 0.0945, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2068, 0.3105,
0.4323

■ 58.2068, 0.3105,
0.4323

■ 55.8916, 0.3093,
0.4675

■ 60.9972, 0.3114,
0.3989

■ 54.0184, 0.3079,
0.5028

■ 64.2794, 0.3121,
0.3683


■ 52.5610, 0.3063,
0.5356

■ 68.0781, 0.3125,
0.3410


■ 51.4878, 0.3045,
0.5634


■ 72.4144, 0.3129,
0.3171

 50.7623, 0.3028,
0.5839

 77.3080, 0.3130,
0.2963

 50.3412, 0.3014,
0.5957

 78.6259, 0.3144,
0.2930

 50.2197, 0.3009,
0.5993

Harmonies

Analogous

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



58.2068, 0.3707, 0.4418



58.2068, 0.3105, 0.4323



58.2068, 0.2540, 0.3838

Triad

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



58.2068, 0.3105, 0.4323



58.2068, 0.2137, 0.2378



58.2068, 0.4194, 0.3246

Complementary

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



58.2068, 0.3105, 0.4323



38.7174, 0.3131, 0.2420

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.



58.2068, 0.3687, 0.2808



58.2068, 0.3105, 0.4323



58.2068, 0.2492, 0.2326

Square

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



58.2068, 0.3105, 0.4323



58.2068, 0.2020, 0.2668



58.2068, 0.3049, 0.2482



58.2068, 0.4373, 0.3724

Rectangle

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



58.2068, 0.3105, 0.4323



58.2068, 0.2258, 0.3406



58.2068, 0.3049, 0.2482



58.2068, 0.4054, 0.3092

Sweetspot

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



58.2093, 0.3105, 0.4323



94.1658, 0.3123, 0.3549



64.4186, 0.3668, 0.4103



19.9931, 0.3123, 0.3588



0.0000, 0.0000, 0.0000



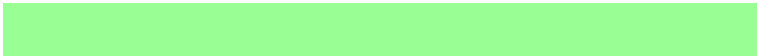
21.4041, 0.3127, 0.3290

Same Dimension

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



58.2093, 0.3105, 0.4323



80.4747, 0.3096, 0.4587



58.9918, 0.2882, 0.3867



14.6385, 0.3124, 0.3531



30.0991, 0.3012, 0.5990



1.9616, 0.3048, 0.5962

Inverse Universe

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



38.7174, 0.3131, 0.2420



48.5843, 0.3129, 0.2241



37.7651, 0.3486, 0.2780



13.2385, 0.3130, 0.3059



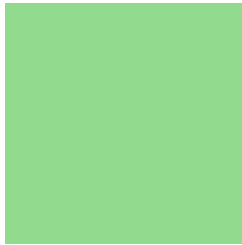
10.9630, 0.3080, 0.1470



0.7211, 0.3102, 0.1482

Previews

White Background



This preview shows how the Yxy color 58.2068, 0.3105, 0.4323 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 58.2068, 0.3105, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

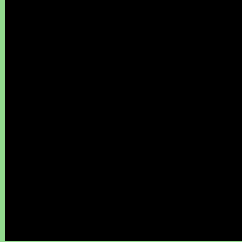
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.2068, 0.3105, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 58.2068, 0.3105, 0.4323.

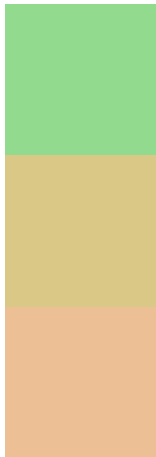


This preview shows how white text looks on a background with the Yxy color 58.2068, 0.3105, 0.4323.

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

58.2068, 0.3105, 0.4323

Protanopia

57.7815, 0.3766, 0.4062

Deuteranopia

57.6703, 0.3855, 0.3781



Tritanopia

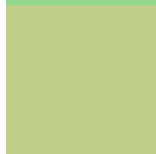
58.0706, 0.2700, 0.3092

Trichromacy



Original Color

58.2068, 0.3105, 0.4323



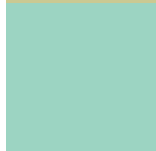
Protanomaly

57.5082, 0.3500, 0.4166



Deuteranomaly

56.5451, 0.3554, 0.3963



Tritanomaly

58.0499, 0.2851, 0.3522

Monochromacy



Original Color

58.2068, 0.3105, 0.4323



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.6714, 0.3126, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2068, 0.3105, 0.4323 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(146, 218, 142)` looks like.

```
.text, #text, p{  
    color:rgb(146, 218, 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(146, 218, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 218, 142) }
```

Border

The CSS property to change the border of an element to Yxy 58.2068, 0.3105, 0.4323 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(146, 218, 142) }
```

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

```
.border{ border-color:rgb(146, 218, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 218, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 218, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 218, 142);  
box-shadow:4px 4px 4px 4px rgb(146, 218,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2068, 0.3105, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 218, 142) }
```

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

```
.background{ background-color: rgb(146,  
218, 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](#).

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