

Converting Colors

$Yxy(58.8873, 0.3033, 0.3963)$

Have a look what the booklet for
Yxy(58.8873, 0.3033, 0.3963)
contains.

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Color

Yxy(58.8963, 0.3033, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	9CD8A5
RGB	156, 216, 165
RGB Percent	61%, 85%, 65%
CMY	0.3884, 0.1529, 0.3529
CMYK	0.28, 0.00, 0.24, 0.15
HSL	129°, 44%, 73%
HSV	129°, 28%, 85%
XYZ	45.0523, 58.8963, 44.5919
YIQ	192.2460, -19.3890, -28.5810

Conversions

Conversions Part 2

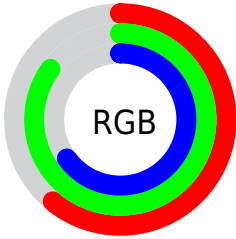
Format	Color
RYB	156, 208, 216
Decimal	10279077
CIELab	81.23, -29.27, 19.12
CIElCh	81, 34.959, 146.839
Yxy	58.8963, 0.3033, 0.3965
Android (android.graphics.Color)	4288469157 (0xFF9CD8A5)
YUV	192.2460, -13.4323, -31.7877
Hunter-Lab	76.7439, -29.5139, 19.2705

Details

The Yxy color **58.8963, 0.3033, 0.3965** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.8687, 0.3239, 0.2698**, and the grayscale version is **52.9490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6844, 0.3061, 0.3661**, and **29.5656, 0.2999, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **56.3117, 0.3001, 0.4258**, and if you desaturate by 10%, it is **61.9649, 0.3067, 0.3697**.

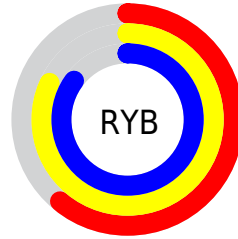
Distribution



Red (61%)

Green (85%)

Blue (65%)



Red (61%)

Yellow (82%)

Blue (85%)

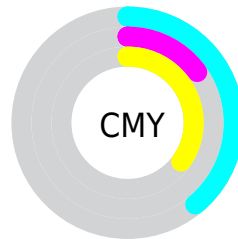


Cyan (28%)

Magenta (0%)

Yellow (24%)

Black (15%)



Cyan (39%)


Magenta (15%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8963, 0.3033, 0.3965 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 58.8963, 0.3033, 0.3965 by changing the saturation by 10% instead.


 58.8963, 0.3033,
0.3965

 58.8963, 0.3033,
0.3965

420.5175, 0.3085,
0.3627

 42.5296, 0.3018,
0.4049


 103.2269, 0.3053,
0.3842

 29.5162, 0.2999,
0.4158


 131.9597, 0.3061,
0.3796

 19.4717, 0.2971,
0.4302


165.5833, 0.3067,
0.3757

 12.0116, 0.2930,
0.4502

204.4821, 0.3072,
0.3723

 6.7516, 0.2862,
0.4797

249.0406, 0.3076,
0.3694

 3.3072, 0.2740,
0.5273

299.6430, 0.3079,

 1.2942, 0.2629,

0.3669

0.7274

356.6739, 0.3083,
0.3647

■ 0.1367, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8963, 0.3033,
0.3965

■ 58.8963, 0.3033,
0.3965

■ 56.3117, 0.3001,
0.4258

■ 61.9649, 0.3067,
0.3697

■ 54.1792, 0.2974,
0.4570

■ 65.5327, 0.3101,
0.3457

■ 52.4749, 0.2952,
0.4887

■ 69.6233, 0.3134,
0.3246

■ 51.1694, 0.2940,
0.5194

■ 74.2567, 0.3166,
0.3062

■ 50.2296, 0.2939,
0.5469

■ 77.5978, 0.3145,
0.2911

■ 49.6171, 0.2948,
0.5695

■ 49.2793, 0.2965,
0.5857

■ 49.2250, 0.2968,
0.5885

Harmonies

Analogous

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



58.8963, 0.3480, 0.4108



58.8963, 0.3033, 0.3965



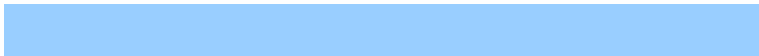
58.8963, 0.2630, 0.3592

Triad

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



58.8963, 0.3033, 0.3965



58.8963, 0.2430, 0.2592



58.8963, 0.3945, 0.3346

Complementary

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



58.8963, 0.3033, 0.3965



42.8687, 0.3239, 0.2698

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.



58.8963, 0.3623, 0.2998



58.8963, 0.3033, 0.3965



58.8963, 0.2738, 0.2578

Square

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



58.8963, 0.3033, 0.3965



58.8963, 0.2301, 0.2785



58.8963, 0.3172, 0.2725



58.8963, 0.4026, 0.3705

Rectangle

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



58.8963, 0.3033, 0.3965



58.8963, 0.2437, 0.3291



58.8963, 0.3172, 0.2725



58.8963, 0.3861, 0.3226

Sweetspot

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



58.8988, 0.3033, 0.3965



95.2679, 0.3100, 0.3463



64.7829, 0.3474, 0.3998



20.2127, 0.3095, 0.3498



0.0000, 0.0000, 0.0000



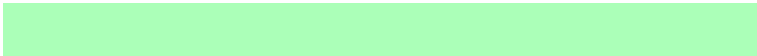
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8988, 0.3033, 0.3965



83.6017, 0.3015, 0.4124



60.1219, 0.2848, 0.3559



13.9261, 0.3095, 0.3494



29.1425, 0.2963, 0.5867



1.7676, 0.2887, 0.5593

Inverse Universe

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



42.8687, 0.3239, 0.2698



56.7599, 0.3265, 0.2579



41.5387, 0.3520, 0.3038



12.5991, 0.3161, 0.3094



10.6893, 0.3628, 0.1772



0.6537, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 58.8963, 0.3033, 0.3965 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 58.8963, 0.3033, 0.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

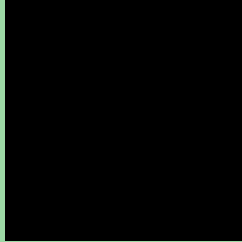
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8963, 0.3033, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 58.8963, 0.3033, 0.3965.

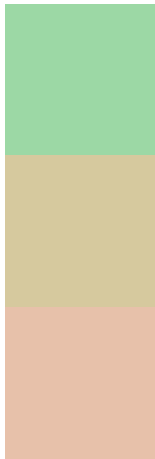


This preview shows how white text looks on a background with the Yxy color 58.8963, 0.3033, 0.3965.

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

58.8963, 0.3033, 0.3965

Protanopia

58.5381, 0.3556, 0.3799

Deuteranopia

58.0311, 0.3628, 0.3551



Tritanopia

58.7635, 0.2731, 0.3082

Trichromacy



Original Color

58.8963, 0.3033, 0.3965

Protanomaly

58.0533, 0.3348, 0.3849

Deuteranomaly

57.4378, 0.3396, 0.3690

Tritanomaly

58.6869, 0.2841, 0.3390

Monochromacy



Original Color

58.8963, 0.3033, 0.3965

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

54.7344, 0.3093, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8963, 0.3033, 0.3965 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(156, 216, 165)` looks like.

```
.text, #text, p{  
    color:rgb(156, 216, 165)  
}
```

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(156, 216, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 216, 165) }
```

Border

The CSS property to change the border of an element to Yxy 58.8963, 0.3033, 0.3965 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(156, 216, 165) }
```

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

```
.border{ border-color:rgb(156, 216, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 216, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 216, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 216, 165);  
box-shadow:4px 4px 4px 4px rgb(156, 216,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8963, 0.3033, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 216, 165) }
```

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

```
.background{ background-color: rgb(156,  
216, 165) }
```

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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