

Converting Colors

$Yxy(34.0472, 0.3159, 0.3923)$

Have a look what the booklet for
Yxy(34.0472, 0.3159, 0.3923)
contains.

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Color

Yxy(33.8731, 0.3161, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	86A67F
RGB	134, 166, 127
RGB Percent	53%, 65%, 50%
CMY	0.4747, 0.3490, 0.5020
CMYK	0.19, 0.00, 0.23, 0.35
HSL	109°, 18%, 57%
HSV	109°, 23%, 65%
XYZ	27.2936, 33.8731, 25.1782
YIQ	151.9860, -6.5530, -18.9130

Conversions

Conversions Part 2

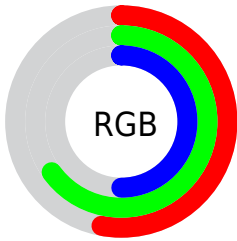
Format	Color
RYB	127, 166, 159
Decimal	8824447
CIELab	64.86, -18.67, 16.66
CIELCh	65, 25.022, 138.260
Yxy	33.8731, 0.3161, 0.3923
Android (android.graphics.Color)	4287014527 (0xFF86A67F)
YUV	151.9860, -12.3181, -15.7737
Hunter-Lab	58.2006, -18.1421, 15.0910

Details

The Yxy color **33.8731, 0.3161, 0.3923** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.3092, 0.3077, 0.2706**, and the grayscale version is **31.4469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6996, 0.3160, 0.3787**, and **14.4695, 0.3162, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **32.4277, 0.3170, 0.4237**, and if you desaturate by 10%, it is **35.5373, 0.3148, 0.3634**.

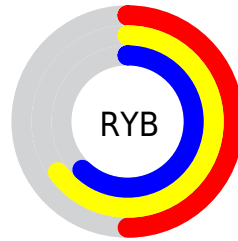
Distribution



Red (53%)

Green (65%)

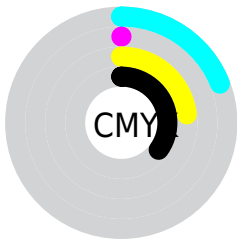
Blue (50%)



Red (50%)

Yellow (65%)

Blue (62%)

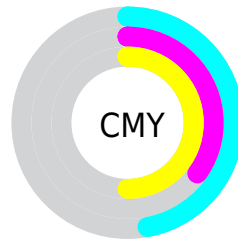


Cyan (19%)

Magenta (0%)

Yellow (23%)

Black (35%)



Cyan (47%)


Magenta (35%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8731, 0.3161, 0.3923 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 33.8731, 0.3161, 0.3923 by changing the saturation by 10% instead.


 33.8731, 0.3161,
0.3923


 33.8731, 0.3161,
0.3923


319.5658, 0.3149,
0.3579

 22.7961, 0.3162,
0.4019


 65.7363, 0.3158,
0.3791

 14.4430, 0.3160,
0.4150


 87.2913, 0.3157,
0.3743

 8.4294, 0.3155,
0.4336


 113.1077, 0.3155,
0.3704

 4.3710, 0.3139,
0.4621

143.5701, 0.3154,
0.3671

 1.8832, 0.3118,
0.5164

179.0626, 0.3153,
0.3643

 0.5382, 0.0939,
0.9061

219.9699, 0.3151,

 0.0000, 0.0000,

0.3618

0.0000

266.6761, 0.3150,
0.3597

■ 33.8731, 0.3161,
0.3923

■ 33.8731, 0.3161,
0.3923

■ 32.4277, 0.3170,
0.4237

■ 35.5373, 0.3148,
0.3634

■ 31.1877, 0.3174,
0.4567

■ 37.4244, 0.3133,
0.3374

■ 30.1450, 0.3171,
0.4902

■ 39.5438, 0.3116,
0.3143

■ 29.2892, 0.3160,
0.5221

■ 41.9032, 0.3099,
0.2940

■ 28.6089, 0.3141,
0.5504

■ 44.5097, 0.3083,
0.2762

■ 28.0914, 0.3113,
0.5729

■ 47.3703, 0.3066,
0.2607

■ 27.7221, 0.3080,
0.5882

■ 50.4916, 0.3051,
0.2472

■ 27.5474, 0.3060,
0.5952

■ 53.5663, 0.3072,
0.2396

■ 55.7572, 0.3168,
0.2422

Harmonies

Analogous

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



33.8731, 0.3538, 0.3985



33.8731, 0.3161, 0.3923



33.8731, 0.2790, 0.3653

Triad

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



33.8731, 0.3161, 0.3923



33.8731, 0.2472, 0.2718



33.8731, 0.3769, 0.3253

Complementary

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



33.8731, 0.3161, 0.3923



25.3092, 0.3077, 0.2706

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.



33.8731, 0.3450, 0.2960



33.8731, 0.3161, 0.3923



33.8731, 0.2701, 0.2658

Square

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



33.8731, 0.3161, 0.3923



33.8731, 0.2408, 0.2934



33.8731, 0.3054, 0.2748



33.8731, 0.3904, 0.3571

Rectangle

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



33.8731, 0.3161, 0.3923



33.8731, 0.2594, 0.3405



33.8731, 0.3054, 0.2748



33.8731, 0.3679, 0.3150

Sweetspot

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



33.8746, 0.3161, 0.3923



66.6187, 0.3139, 0.3465



34.3892, 0.3495, 0.3764



14.8644, 0.3139, 0.3480



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.8746, 0.3161, 0.3923



60.1022, 0.3166, 0.4078



33.6638, 0.2996, 0.3725



8.4697, 0.3142, 0.3521



21.3731, 0.3064, 0.5949



0.5380, 0.3261, 0.5793

Inverse Universe

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



25.3092, 0.3077, 0.2706



41.9049, 0.3063, 0.2576



25.6092, 0.3288, 0.2892



7.5980, 0.3110, 0.3066



6.2375, 0.2769, 0.1299



0.1689, 0.2924, 0.1384

Previews

White Background



This preview shows how the Yxy color 33.8731, 0.3161, 0.3923 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 33.8731, 0.3161, 0.3923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

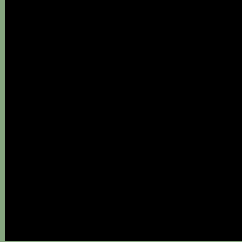
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8731, 0.3161, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 33.8731, 0.3161, 0.3923.



This preview shows how white text looks on a background with the Yxy color 33.8731, 0.3161, 0.3923.

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

33.8731, 0.3161, 0.3923

Protanopia

33.7595, 0.3550, 0.3797

Deuteranopia

33.5687, 0.3652, 0.3589



Tritanopia

33.8215, 0.2844, 0.3093

Trichromacy



Original Color

33.8731, 0.3161, 0.3923

Protanomaly

33.5654, 0.3406, 0.3846

Deuteranomaly

33.2544, 0.3464, 0.3697

Tritanomaly

33.6442, 0.2957, 0.3383

Monochromacy



Original Color

33.8731, 0.3161, 0.3923

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1169, 0.3136, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8731, 0.3161, 0.3923 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(134, 166, 127)` looks like.

```
.text, #text, p{  
    color:rgb(134, 166, 127)  
}
```

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(134, 166, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 166, 127) }
```

Border

The CSS property to change the border of an element to Yxy 33.8731, 0.3161, 0.3923 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(134, 166, 127) }
```

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

```
.border{ border-color:rgb(134, 166, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 166, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 166, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 166, 127);  
box-shadow:4px 4px 4px 4px rgb(134, 166,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8731, 0.3161, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 166, 127) }
```

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

```
.background{ background-color: rgb(134,  
166, 127) }
```

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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