

Converting Colors

$Yxy(33.3837, 0.3161, 0.4037)$

Have a look what the booklet for
Yxy(33.3837, 0.3161, 0.4037)
contains.

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Color

Yxy(33.3200, 0.3165, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	81A679
RGB	129, 166, 121
RGB Percent	51%, 65%, 47%
CMY	0.4940, 0.3490, 0.5256
CMYK	0.22, 0.00, 0.27, 0.35
HSL	109°, 20%, 56%
HSV	109°, 27%, 65%
XYZ	26.1422, 33.3200, 23.1357
YIQ	149.8070, -7.6070, -21.8390

Conversions

Conversions Part 2

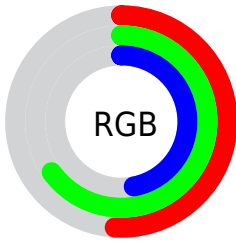
Format	Color
RYB	121, 166, 158
Decimal	8496761
CIELab	64.42, -21.47, 19.31
CIELCh	64, 28.874, 138.032
Yxy	33.3200, 0.3165, 0.4034
Android (android.graphics.Color)	4286686841 (0xFF81A679)
YUV	149.8070, -14.2019, -18.2477
Hunter-Lab	57.7235, -20.1757, 16.6429

Details

The Yxy color $33.3200, 0.3165, 0.4034$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $23.6875, 0.3067, 0.2612$, and the grayscale version is $30.4787, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.8362, 0.3163, 0.3868$, and $14.1648, 0.3165, 0.4306$ is the 20% darker color. If you saturate the color by 10%, you get $31.9510, 0.3173, 0.4355$, and if you desaturate by 10%, it is $34.9044, 0.3153, 0.3736$.

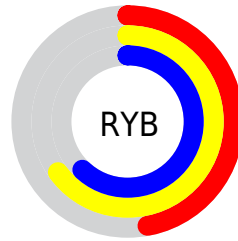
Distribution



Red (51%)

Green (65%)

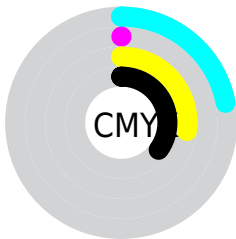
Blue (47%)



Red (47%)

Yellow (65%)

Blue (62%)

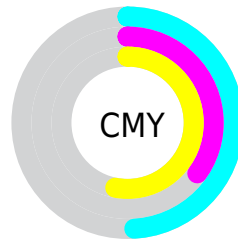


Cyan (22%)

Magenta (0%)

Yellow (27%)

Black (35%)



Cyan (49%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3200, 0.3165, 0.4034 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 33.3200, 0.3165, 0.4034 by changing the saturation by 10% instead.


 33.3200, 0.3165,
0.4034


 33.3200, 0.3165,
0.4034


317.0892, 0.3153,
0.3626


 22.3717, 0.3164,
0.4149


 64.8748, 0.3163,
0.3877

 14.1303, 0.3161,
0.4305


 86.2501, 0.3162,
0.3820

 8.2113, 0.3151,
0.4529


 111.8698, 0.3160,
0.3774

 4.2305, 0.3122,
0.4873

142.1184, 0.3159,
0.3735

 1.8033, 0.3139,
0.5646

177.3803, 0.3157,
0.3702

 0.4892, 0.0000,
1.0000

218.0398, 0.3156,

 0.0000, 0.0000,

0.3673

0.0000

264.4813, 0.3155,
0.3648

■ 33.3200, 0.3165,
0.4034

■ 33.3200, 0.3165,
0.4034

■ 31.9510, 0.3173,
0.4355

■ 34.9044, 0.3153,
0.3736

■ 30.7839, 0.3174,
0.4689

■ 36.7086, 0.3139,
0.3465

■ 29.8104, 0.3169,
0.5020

■ 38.7420, 0.3122,
0.3223

■ 29.0196, 0.3154,
0.5329


■ 41.0126, 0.3106,
0.3010


■ 28.3997, 0.3132,
0.5593

■ 43.5275, 0.3089,
0.2824

 27.9376, 0.3101,
0.5793


 46.2938, 0.3072,
0.2661

 27.6160, 0.3068,
0.5921

 49.3183, 0.3056,
0.2519

 27.5434, 0.3060,
0.5952

 52.6075, 0.3041,
0.2396

 55.1371, 0.3141,
0.2415

Harmonies

Analogous

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



33.3200, 0.3601, 0.4098



33.3200, 0.3165, 0.4034



33.3200, 0.2738, 0.3717

Triad

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



33.3200, 0.3165, 0.4034



33.3200, 0.2373, 0.2631



33.3200, 0.3871, 0.3240

Complementary

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



33.3200, 0.3165, 0.4034



23.6875, 0.3067, 0.2612

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.



33.3200, 0.3497, 0.2908



33.3200, 0.3165, 0.4034



33.3200, 0.2632, 0.2565

Square

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



33.3200, 0.3165, 0.4034



33.3200, 0.2302, 0.2876



33.3200, 0.3037, 0.2668



33.3200, 0.4029, 0.3603

Rectangle

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



33.3200, 0.3165, 0.4034



33.3200, 0.2513, 0.3424



33.3200, 0.3037, 0.2668



33.3200, 0.3765, 0.3123

Sweetspot

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



33.3214, 0.3165, 0.4034



66.2671, 0.3140, 0.3491



33.8542, 0.3556, 0.3839



14.7175, 0.3142, 0.3530



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.



33.3214, 0.3165, 0.4034



58.8176, 0.3171, 0.4240



33.0918, 0.2977, 0.3802



8.4698, 0.3142, 0.3521



21.3737, 0.3065, 0.5949



0.5381, 0.3261, 0.5793

Inverse Universe

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



23.6875, 0.3067, 0.2612



38.1486, 0.3047, 0.2445



24.0354, 0.3319, 0.2828



7.5978, 0.3110, 0.3066



6.2341, 0.2768, 0.1299



0.1689, 0.2924, 0.1384

Previews

White Background



This preview shows how the Yxy color 33.3200, 0.3165, 0.4034 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 33.3200, 0.3165, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

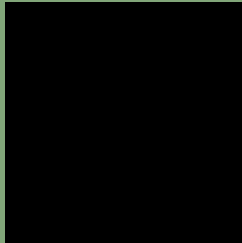
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3200, 0.3165, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 33.3200, 0.3165, 0.4034.



This preview shows how white text looks on a background with the Yxy color 33.3200, 0.3165, 0.4034.

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

33.3200, 0.3165, 0.4034

Protanopia

33.2534, 0.3621, 0.3887

Deuteranopia

33.0917, 0.3718, 0.3662



Tritanopia

33.1781, 0.2825, 0.3091

Trichromacy



Original Color

33.3200, 0.3165, 0.4034

Protanomaly

33.2219, 0.3441, 0.3944

Deuteranomaly

32.8884, 0.3501, 0.3792

Tritanomaly

33.2915, 0.2955, 0.3432

Monochromacy



Original Color

33.3200, 0.3165, 0.4034

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3918, 0.3144, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3200, 0.3165, 0.4034 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(129, 166, 121)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 121)  
}
```

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(129, 166, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 121) }
```

Border

The CSS property to change the border of an element to Yxy 33.3200, 0.3165, 0.4034 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(129, 166, 121) }
```

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

```
.border{ border-color:rgb(129, 166, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 166, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 166, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 166, 121);  
box-shadow:4px 4px 4px 4px rgb(129, 166,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3200, 0.3165, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 166, 121) }
```

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

```
.background{ background-color: rgb(129,  
166, 121) }
```

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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