

Converting Colors

$Y_{xy}(36.5013, 0.2862, 0.3315)$

Have a look what the booklet for
Yxy(36.5013, 0.2862, 0.3315)
contains.

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Color

Yxy(36.4843, 0.2864, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	89A9A7
RGB	137, 169, 167
RGB Percent	54%, 66%, 65%
CMY	0.4629, 0.3372, 0.3452
CMYK	0.19, 0.00, 0.01, 0.34
HSL	176°, 16%, 60%
HSV	176°, 19%, 66%
XYZ	31.4732, 36.4843, 41.9350
YIQ	159.2040, -18.4300, -7.4060

Conversions

Conversions Part 2

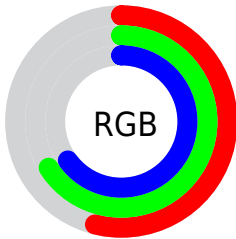
Format	Color
RYB	137, 154, 169
Decimal	9021863
CIELab	66.89, -11.36, -2.60
CIElCh	67, 11.655, 192.901
Yxy	36.4843, 0.2864, 0.3320
Android (android.graphics.Color)	4287211943 (0xFF89A9A7)
YUV	159.2040, 3.8434, -19.4729
Hunter-Lab	60.4022, -12.6947, 1.1188

Details

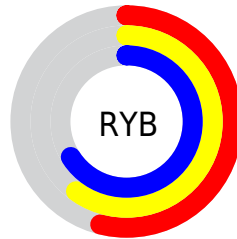
The Yxy color **36.4843, 0.2864, 0.3320** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1801, 0.3467, 0.3261**, and the grayscale version is **34.7545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6616, 0.2916, 0.3312**, and **15.9388, 0.2779, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **35.1287, 0.2738, 0.3338**, and if you desaturate by 10%, it is **38.0670, 0.3000, 0.3304**.

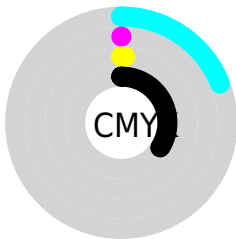
Distribution



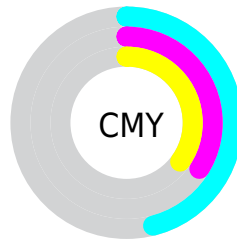
- Red (54%)
- Green (66%)
- Blue (65%)



- Red (54%)
- Yellow (60%)
- Blue (66%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)




- Cyan (46%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4843, 0.2864, 0.3320 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 36.4843, 0.2864, 0.3320 by changing the saturation by 10% instead.


 36.4843, 0.2864,
0.3320


 36.4843, 0.2864,
0.3320


331.0724, 0.3000,
0.3306

 24.8085, 0.2828,
0.3323


 69.7789, 0.2915,
0.3315

 15.9344, 0.2782,
0.3328


 92.1665, 0.2933,
0.3313

 9.4778, 0.2718,
0.3333


 118.8934, 0.2949,
0.3311

 5.0541, 0.2625,
0.3340

150.3441, 0.2962,
0.3310

 2.2790, 0.2478,
0.3350

186.9030, 0.2974,
0.3308

 0.7626, 0.2013,
0.3430

228.9544, 0.2984,

 0.0000, 0.0000,

0.3307

0.0000

276.8827, 0.2993,
0.3306

■ 36.4843, 0.2864,
0.3320

■ 36.4843, 0.2864,
0.3320

■ 35.1287, 0.2738,
0.3338

■ 38.0670, 0.3000,
0.3304

■ 33.9852, 0.2625,
0.3357

■ 39.8819, 0.3142,
0.3289

■ 33.0442, 0.2527,
0.3376

■ 41.9398, 0.3289,
0.3275

■ 32.2934, 0.2446,
0.3397

■ 44.2492, 0.3438,
0.3263

■ 31.7192, 0.2383,
0.3418

■ 46.8183, 0.3586,
0.3252

■ 31.3064, 0.2339,
0.3439

■ 49.6551, 0.3733,
0.3243

■ 31.0368, 0.2313,
0.3460

■ 52.7159, 0.3873,
0.3235

■ 30.8760, 0.2302,
0.3480

■ 52.7580, 0.3863,
0.3223

■ 30.8609, 0.2301,
0.3482

■ 52.8004, 0.3853,
0.3212

Harmonies

Analogous

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



36.4843, 0.3005, 0.3476



36.4843, 0.2864, 0.3320



36.4843, 0.2793, 0.3160

Triad

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



36.4843, 0.2864, 0.3320



36.4843, 0.3066, 0.3020



36.4843, 0.3454, 0.3532

Complementary

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



36.4843, 0.2864, 0.3320



28.1801, 0.3467, 0.3261

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.



36.4843, 0.3473, 0.3404



36.4843, 0.2864, 0.3320



36.4843, 0.3245, 0.3114

Square

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



36.4843, 0.2864, 0.3320



36.4843, 0.2907, 0.2993



36.4843, 0.3396, 0.3253



36.4843, 0.3346, 0.3598

Rectangle

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



36.4843, 0.2864, 0.3320



36.4843, 0.2794, 0.3075



36.4843, 0.3396, 0.3253



36.4843, 0.3471, 0.3494

Sweetspot

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



36.4858, 0.2864, 0.3320



69.0483, 0.3040, 0.3299



35.6836, 0.3123, 0.3794



15.0074, 0.3031, 0.3300



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.



36.4858, 0.2864, 0.3320



64.2028, 0.2807, 0.3328



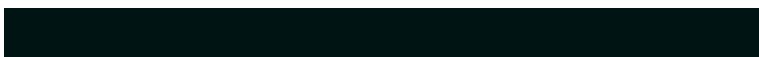
31.6640, 0.2837, 0.3074



8.5237, 0.2995, 0.3304



22.9990, 0.2300, 0.3480



0.5619, 0.2281, 0.3411

Inverse Universe

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



28.1801, 0.3467, 0.3261



46.4115, 0.3569, 0.3253



32.3266, 0.3452, 0.3496



7.5497, 0.3276, 0.3276



6.3071, 0.6314, 0.3252



0.1558, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 36.4843, 0.2864, 0.3320 looks on a white background.

Color Contrast Check

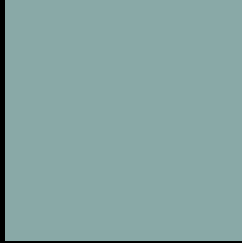
Large Text (above 18pt) WCAG AA × Fail

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 36.4843, 0.2864, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

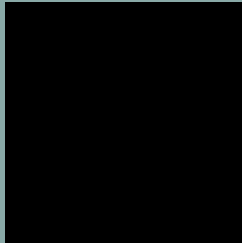
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

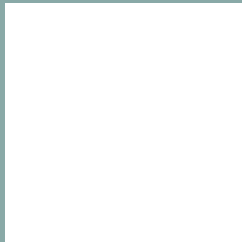
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4843, 0.2864, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 36.4843, 0.2864, 0.3320.

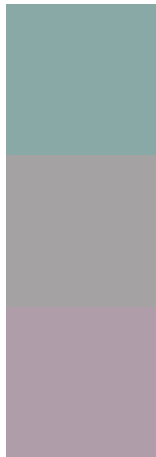


This preview shows how white text looks on a background with the Yxy color 36.4843, 0.2864, 0.3320.

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

36.4843, 0.2864, 0.3320

Protanopia

36.4843, 0.3147, 0.3276

Deuteranopia

36.0925, 0.3193, 0.3124



Tritanopia

36.5082, 0.2789, 0.3097

Trichromacy



Original Color

36.4843, 0.2864, 0.3320

Protanomaly

36.5592, 0.3044, 0.3304

Deuteranomaly

35.8940, 0.3066, 0.3189

Tritanomaly

36.5894, 0.2819, 0.3185

Monochromacy



Original Color

36.4843, 0.2864, 0.3320

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3823, 0.3024, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4843, 0.2864, 0.3320 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(137, 169, 167)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 167)  
}
```

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(137, 169, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 167) }
```

Border

The CSS property to change the border of an element to Yxy 36.4843, 0.2864, 0.3320 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(137, 169, 167) }
```

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

```
.border{ border-color:rgb(137, 169, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 169, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 169, 167);  
box-shadow:4px 4px 4px 4px rgb(137, 169,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4843, 0.2864, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 167) }
```

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

```
.background{ background-color: rgb(137,  
169, 167) }
```

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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