

Converting Colors

$Y_{xy}(34.4869, 0.2835, 0.3345)$

Have a look what the booklet for
Yxy(34.4869, 0.2835, 0.3345)
contains.

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Color

Yxy(34.5482, 0.2834, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	81A6A2
RGB	129, 166, 162
RGB Percent	51%, 65%, 64%
CMY	0.4942, 0.3490, 0.3647
CMYK	0.22, 0.00, 0.02, 0.35
HSL	174°, 17%, 58%
HSV	174°, 22%, 65%
XYZ	29.2093, 34.5482, 39.3099
YIQ	154.4810, -20.7680, -9.0880

Conversions

Conversions Part 2

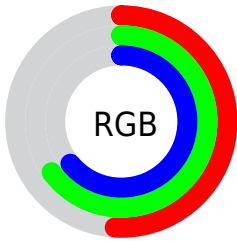
Format	Color
RYB	129, 149, 166
Decimal	8496802
CIELab	65.40, -13.43, -2.07
CIElCh	65, 13.587, 188.782
Yxy	34.5482, 0.2834, 0.3352
Android (android.graphics.Color)	4286686882 (0xFF81A6A2)
YUV	154.4810, 3.7069, -22.3468
Hunter-Lab	58.7777, -14.1563, 1.4919

Details

The Yxy color **34.5482, 0.2834, 0.3352** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.4985, 0.3522, 0.3230**, and the grayscale version is **32.5271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7899, 0.2893, 0.3336**, and **14.8227, 0.2749, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **33.2902, 0.2717, 0.3384**, and if you desaturate by 10%, it is **36.0212, 0.2961, 0.3323**.

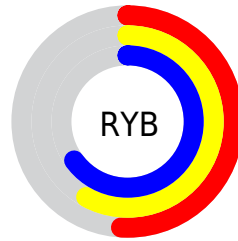
Distribution



Red (51%)

Green (65%)

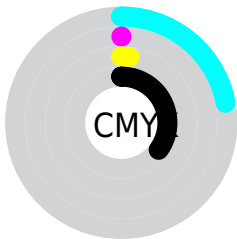
Blue (64%)



Red (51%)

Yellow (58%)

Blue (65%)

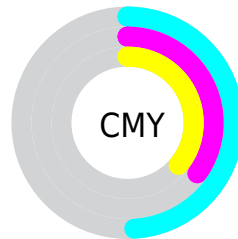


Cyan (22%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (49%)


Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5482, 0.2834, 0.3352 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 34.5482, 0.2834, 0.3352 by changing the saturation by 10% instead.

 34.5482, 0.2834,
0.3352


 34.5482, 0.2834,
0.3352


322.5696, 0.2987,
0.3321


 23.3151, 0.2794,
0.3360

 66.7853, 0.2891,
0.3340

 14.8263, 0.2740,
0.3370


 88.5580, 0.2912,
0.3336

 8.6976, 0.2666,
0.3384


 114.6127, 0.2930,
0.3333

 4.5445, 0.2558,
0.3403

145.3337, 0.2945,
0.3329

 1.9825, 0.2384,
0.3432

181.1056, 0.2958,
0.3327

 0.5973, 0.1470,
0.3659

222.3125, 0.2969,

 0.0000, 0.0000,

0.3324

0.0000

269.3391, 0.2979,
0.3322

■ 34.5482, 0.2834,
0.3352

■ 34.5482, 0.2834,
0.3352

■ 33.2902, 0.2717,
0.3384

■ 36.0212, 0.2961,
0.3323

■ 32.2326, 0.2613,
0.3417

■ 37.7144, 0.3096,
0.3296

■ 31.3660, 0.2524,
0.3452

■ 39.6381, 0.3235,
0.3271

■ 30.6781, 0.2452,
0.3488

■ 41.8007, 0.3376,
0.3250

■ 30.1556, 0.2398,
0.3525

■ 44.2104, 0.3517,
0.3230

■ 29.7830, 0.2363,
0.3562

■ 46.8746, 0.3657,
0.3213

■ 29.5420, 0.2346,
0.3599

■ 49.8008, 0.3793,
0.3198

■ 29.4139, 0.2341,
0.3627

■ 51.6845, 0.3865,
0.3183

■ 51.7563, 0.3847,
0.3164

Harmonies

Analogous

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



34.5482, 0.3008, 0.3534



34.5482, 0.2834, 0.3352



34.5482, 0.2738, 0.3158

Triad

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



34.5482, 0.2834, 0.3352



34.5482, 0.3025, 0.2962



34.5482, 0.3526, 0.3558

Complementary

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



34.5482, 0.2834, 0.3352



25.4985, 0.3522, 0.3230

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.



34.5482, 0.3533, 0.3399



34.5482, 0.2834, 0.3352



34.5482, 0.3238, 0.3063

Square

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



34.5482, 0.2834, 0.3352



34.5482, 0.2846, 0.2941



34.5482, 0.3426, 0.3221



34.5482, 0.3409, 0.3651

Rectangle

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



34.5482, 0.2834, 0.3352



34.5482, 0.2730, 0.3052



34.5482, 0.3426, 0.3221



34.5482, 0.3541, 0.3510

Sweetspot

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



34.5496, 0.2834, 0.3352



66.9064, 0.3030, 0.3309



33.8711, 0.3138, 0.3891



14.9338, 0.3022, 0.3310



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.



34.5496, 0.2834, 0.3352



61.4629, 0.2772, 0.3368



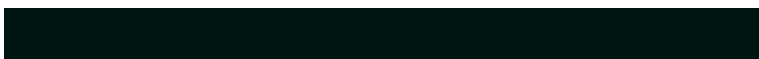
29.8165, 0.2787, 0.3063



8.5179, 0.3001, 0.3314



22.8112, 0.2340, 0.3623



0.5588, 0.2306, 0.3502

Inverse Universe

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



25.4985, 0.3522, 0.3230



41.9456, 0.3645, 0.3215



29.3910, 0.3524, 0.3507



7.5550, 0.3269, 0.3266



6.3240, 0.6245, 0.3214



0.1578, 0.5674, 0.2900

Previews

White Background



This preview shows how the Yxy color 34.5482, 0.2834, 0.3352 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 34.5482, 0.2834, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

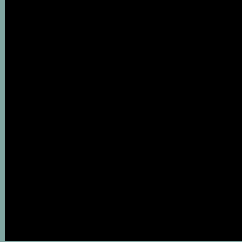
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

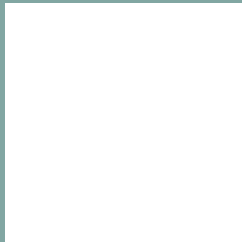
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.5482, 0.2834, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 34.5482, 0.2834, 0.3352.

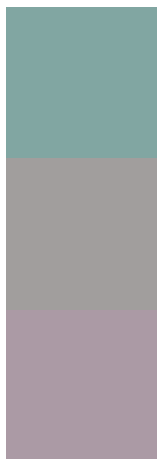


This preview shows how white text looks on a background with the Yxy color 34.5482, 0.2834, 0.3352.

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

34.5482, 0.2834, 0.3352

Protanopia

34.4651, 0.3165, 0.3305

Deuteranopia

34.4857, 0.3194, 0.3134



Tritanopia

34.6308, 0.2743, 0.3092

Trichromacy



Original Color

34.5482, 0.2834, 0.3352

Protanomaly

34.3825, 0.3032, 0.3320

Deuteranomaly

34.2020, 0.3055, 0.3201

Tritanomaly

34.7141, 0.2773, 0.3182

Monochromacy



Original Color

34.5482, 0.2834, 0.3352

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.9078, 0.3012, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5482, 0.2834, 0.3352 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 162) }
```

Border

The CSS property to change the border of an element to Yxy 34.5482, 0.2834, 0.3352 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, 162) }
```

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

```
.border{ border-color:rgb(129, 166, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 166, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 166, 162);  
box-shadow:4px 4px 4px 4px rgb(129, 166,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5482, 0.2834, 0.3352 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, 162) }
```

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

```
.background{ background-color: rgb(129,  
166, 162) }
```

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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