

Converting Colors

$Y_{xy}(34.5735, 0.2694, 0.3521)$

Have a look what the booklet for
Yxy(34.5735, 0.2694, 0.3521)
contains.

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Color

Yxy(34.5634, 0.2696, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	69AB9D
RGB	105, 171, 157
RGB Percent	41%, 67%, 62%
CMY	0.5880, 0.3294, 0.3843
CMYK	0.39, 0.00, 0.08, 0.33
HSL	167°, 28%, 54%
HSV	167°, 39%, 67%
XYZ	26.4799, 34.5634, 37.1760
YIQ	149.6700, -34.8420, -18.3460

Conversions

Conversions Part 2

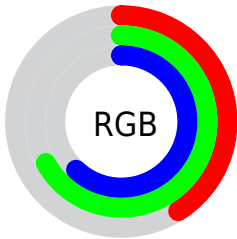
Format	Color
RYB	105, 142, 171
Decimal	6925213
CIELab	65.41, -24.33, 0.57
CIELCh	65, 24.340, 178.655
Yxy	34.5634, 0.2696, 0.3519
Android (android.graphics.Color)	4285115293 (0xFF69AB9D)
YUV	149.6700, 3.6137, -39.1756
Hunter-Lab	58.7906, -22.4853, 3.6617

Details

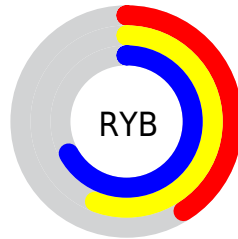
The Yxy color **34.5634, 0.2696, 0.3519** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1061, 0.3856, 0.3078**, and the grayscale version is **30.3540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0122, 0.2784, 0.3485**, and **14.7275, 0.2551, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **33.5086, 0.2610, 0.3589**, and if you desaturate by 10%, it is **35.8329, 0.2795, 0.3453**.

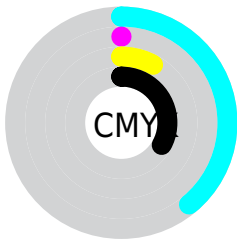
Distribution



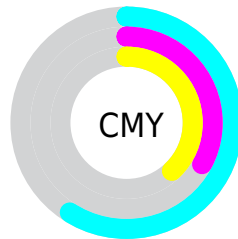
- Red (41%)
- Green (67%)
- Blue (62%)



- Red (41%)
- Yellow (56%)
- Blue (67%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (59%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5634, 0.2696, 0.3519 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 34.5634, 0.2696, 0.3519 by changing the saturation by 10% instead.


 34.5634, 0.2696,
0.3519


 34.5634, 0.2696,
0.3519


322.6370, 0.2922,
0.3399

 23.3268, 0.2636,
0.3551


 66.8088, 0.2781,
0.3474

 14.8350, 0.2557,
0.3593


 88.5864, 0.2812,
0.3457

 8.7036, 0.2448,
0.3652


 114.6465, 0.2837,
0.3444

 4.5484, 0.2289,
0.3738

 145.3733, 0.2859,
0.3432

 1.9848, 0.2034,
0.3877

181.1514, 0.2878,
0.3422

 0.5986, 0.0000,
0.4945

222.3651, 0.2895,

 0.0000, 0.0000,

0.3413

0.0000

269.3989, 0.2909,
0.3406

■ 34.5634, 0.2696,
0.3519

■ 34.5634, 0.2696,
0.3519

■ 33.5086, 0.2610,
0.3589

■ 35.8329, 0.2795,
0.3453

■ 32.6517, 0.2539,
0.3663

■ 37.3245, 0.2905,
0.3391

■ 31.9801, 0.2486,
0.3738


■ 39.0502, 0.3023,
0.3334

■ 31.4783, 0.2452,
0.3815

■ 41.0200, 0.3145,
0.3283


■ 31.1277, 0.2437,
0.3892


■ 43.2433, 0.3270,
0.3237

 30.8952, 0.2438,
0.3969

 45.7291, 0.3395,
0.3195

 30.8645, 0.2439,
0.3980

 48.4858, 0.3520,
0.3159

 51.5215, 0.3641,
0.3127

 54.0859, 0.3725,
0.3096

Harmonies

Analogous

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



34.5634, 0.3031, 0.3830



34.5634, 0.2696, 0.3519



34.5634, 0.2483, 0.3154

Triad

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



34.5634, 0.2696, 0.3519



34.5634, 0.2823, 0.2693



34.5634, 0.3872, 0.3663

Complementary

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



34.5634, 0.2696, 0.3519



20.1061, 0.3856, 0.3078

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.



34.5634, 0.3816, 0.3363



34.5634, 0.2696, 0.3519



34.5634, 0.3191, 0.2824

Square

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



34.5634, 0.2696, 0.3519



34.5634, 0.2553, 0.2699



34.5634, 0.3560, 0.3063



34.5634, 0.3716, 0.3891

Rectangle

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



34.5634, 0.2696, 0.3519



34.5634, 0.2430, 0.2943



34.5634, 0.3560, 0.3063



34.5634, 0.3878, 0.3567

Sweetspot

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



34.5648, 0.2696, 0.3519



68.7637, 0.2979, 0.3355



34.0910, 0.3195, 0.4398



15.2474, 0.2964, 0.3362



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.5648, 0.2696, 0.3519



60.3211, 0.2624, 0.3577



28.5052, 0.2556, 0.2978



9.0425, 0.3014, 0.3339



23.2773, 0.2437, 0.3972



0.6547, 0.2373, 0.3741

Inverse Universe

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



20.1061, 0.3856, 0.3078



30.8271, 0.4097, 0.3035



24.0293, 0.3948, 0.3577



8.0421, 0.3254, 0.3242



6.6306, 0.6006, 0.3083



0.1922, 0.5204, 0.2640

Previews

White Background



This preview shows how the Yxy color 34.5634, 0.2696, 0.3519 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 34.5634, 0.2696, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

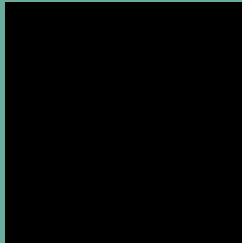
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5634, 0.2696, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 34.5634, 0.2696, 0.3519.

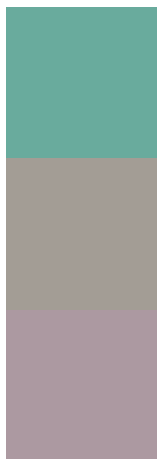


This preview shows how white text looks on a background with the Yxy color 34.5634, 0.2696, 0.3519.

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

34.5634, 0.2696, 0.3519

Protanopia

34.0704, 0.3260, 0.3409

Deuteranopia

34.1263, 0.3243, 0.3177



Tritanopia

34.3531, 0.2566, 0.3070

Trichromacy



Original Color

34.5634, 0.2696, 0.3519

Protanomaly

33.8584, 0.3027, 0.3445

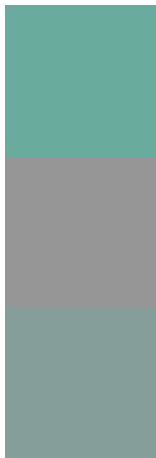
Deuteranomaly

33.9756, 0.3014, 0.3290

Tritanomaly

34.2350, 0.2614, 0.3225

Monochromacy



Original Color

34.5634, 0.2696, 0.3519

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8220, 0.2944, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5634, 0.2696, 0.3519 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(105, 171, 157)` looks like.

```
.text, #text, p{  
    color:rgb(105, 171, 157)  
}
```

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(105, 171, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 171, 157) }
```

Border

The CSS property to change the border of an element to Yxy 34.5634, 0.2696, 0.3519 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(105, 171, 157) }
```

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

```
.border{ border-color:rgb(105, 171, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 171, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 171, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 171, 157);  
box-shadow:4px 4px 4px 4px rgb(105, 171,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5634, 0.2696, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 171, 157) }
```

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

```
.background{ background-color: rgb(105,  
171, 157) }
```

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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