

Converting Colors

$Y_{xy}(34.7456, 0.2926, 0.3505)$

Have a look what the booklet for
Yxy(34.7456, 0.2926, 0.3505)
contains.

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Color

Yxy(34.8429, 0.2930, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	84A799
RGB	132, 167, 153
RGB Percent	52%, 65%, 60%
CMY	0.4824, 0.3451, 0.3999
CMYK	0.21, 0.00, 0.08, 0.35
HSL	156°, 17%, 59%
HSV	156°, 21%, 65%
XYZ	29.0854, 34.8429, 35.3392
YIQ	154.9390, -16.3660, -11.7740

Conversions

Conversions Part 2

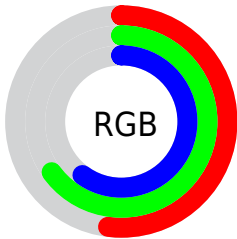
Format	Color
RYB	132, 154, 167
Decimal	8693657
CIELab	65.63, -14.90, 3.29
CIELCh	66, 15.259, 167.549
Yxy	34.8429, 0.2930, 0.3510
Android (android.graphics.Color)	4286883737 (0xFF84A799)
YUV	154.9390, -0.9559, -20.1175
Hunter-Lab	59.0279, -15.3447, 5.8233

Details

The Yxy color **34.8429, 0.2930, 0.3510** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.7925, 0.3377, 0.3080**, and the grayscale version is **32.7608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1866, 0.2974, 0.3467**, and **15.0146, 0.2869, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **33.3897, 0.2844, 0.3632**, and if you desaturate by 10%, it is **36.5268, 0.3022, 0.3399**.

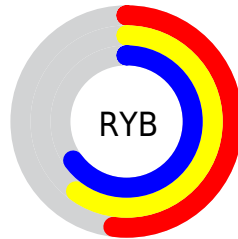
Distribution



Red (52%)

Green (65%)

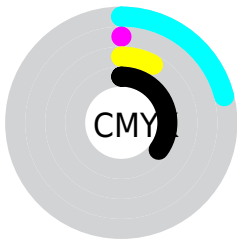
Blue (60%)



Red (52%)

Yellow (60%)

Blue (65%)

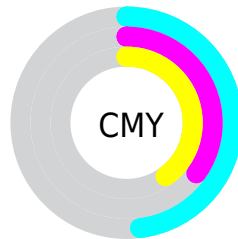


Cyan (21%)

Magenta (0%)

Yellow (8%)

Black (35%)



Cyan (48%)


Magenta (35%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8429, 0.2930, 0.3510 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 34.8429, 0.2930, 0.3510 by changing the saturation by 10% instead.


 34.8429, 0.2930,
0.3510


 34.8429, 0.2930,
0.3510


323.8744, 0.3034,
0.3393


 23.5419, 0.2902,
0.3542


 67.2423, 0.2969,
0.3466

 14.9941, 0.2865,
0.3584


 89.1095, 0.2984,
0.3450

 8.8153, 0.2813,
0.3644


 115.2676, 0.2995,
0.3436

 4.6209, 0.2736,
0.3733

146.1009, 0.3006,
0.3425

 2.0266, 0.2608,
0.3883

181.9938, 0.3014,
0.3415

 0.6229, 0.1757,
0.4794

223.3308, 0.3022,

 0.0000, 0.0000,

0.3407

0.0000

270.4961, 0.3028,
0.3400

■ 34.8429, 0.2930,
0.3510

■ 34.8429, 0.2930,
0.3510

■ 33.3897, 0.2844,
0.3632

■ 36.5268, 0.3022,
0.3399

■ 32.1525, 0.2766,
0.3763

■ 38.4469, 0.3118,
0.3299

■ 31.1214, 0.2700,
0.3904

■ 40.6137, 0.3215,
0.3210

■ 30.2842, 0.2649,
0.4052

■ 43.0360, 0.3311,
0.3130

■ 29.6271, 0.2615,
0.4204

■ 45.7219, 0.3406,
0.3060

■ 29.1346, 0.2601,
0.4358

■ 48.6794, 0.3498,
0.2998

■ 28.7883, 0.2606,
0.4510

■ 51.9160, 0.3587,
0.2945

■ 28.5644, 0.2624,
0.4645

■ 53.3728, 0.3580,
0.2884

■ 53.7046, 0.3519,
0.2818

Harmonies

Analogous

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



34.8429, 0.3159, 0.3664



34.8429, 0.2930, 0.3510



34.8429, 0.2758, 0.3293

Triad

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



34.8429, 0.2930, 0.3510



34.8429, 0.2864, 0.2898



34.8429, 0.3593, 0.3467

Complementary

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



34.8429, 0.2930, 0.3510



26.7925, 0.3377, 0.3080

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.



34.8429, 0.3509, 0.3269



34.8429, 0.2930, 0.3510



34.8429, 0.3081, 0.2949

Square

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



34.8429, 0.2930, 0.3510



34.8429, 0.2721, 0.2944



34.8429, 0.3319, 0.3083



34.8429, 0.3547, 0.3629

Rectangle

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



34.8429, 0.2930, 0.3510



34.8429, 0.2695, 0.3150



34.8429, 0.3319, 0.3083



34.8429, 0.3579, 0.3403

Sweetspot

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



34.8443, 0.2930, 0.3510



67.0294, 0.3068, 0.3349



35.4151, 0.3231, 0.3835



14.9526, 0.3062, 0.3355



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.



34.8443, 0.2930, 0.3510



61.1825, 0.2890, 0.3563



34.0685, 0.2818, 0.3235



8.4806, 0.3038, 0.3382



21.8670, 0.2620, 0.4631



0.5417, 0.2482, 0.4134

Inverse Universe

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



26.7925, 0.3377, 0.3080



44.2219, 0.3445, 0.3033



27.3491, 0.3526, 0.3345



7.5901, 0.3226, 0.3200



6.6030, 0.5338, 0.2715



0.1708, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 34.8429, 0.2930, 0.3510 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 34.8429, 0.2930, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

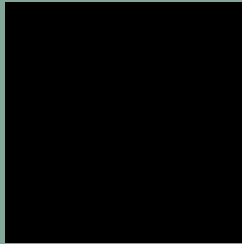
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8429, 0.2930, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 34.8429, 0.2930, 0.3510.

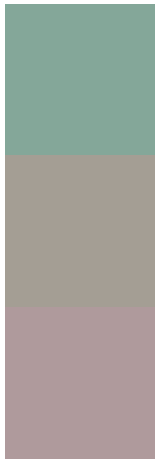


This preview shows how white text looks on a background with the Yxy color 34.8429, 0.2930, 0.3510.

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

34.8429, 0.2930, 0.3510

Protanopia

34.4844, 0.3278, 0.3438

Deuteranopia

34.6255, 0.3320, 0.3262



Tritanopia

34.9595, 0.2775, 0.3093

Trichromacy



Original Color

34.8429, 0.2930, 0.3510

Protanomaly

34.3671, 0.3138, 0.3457

Deuteranomaly

34.5338, 0.3163, 0.3349

Tritanomaly

34.8883, 0.2837, 0.3243

Monochromacy



Original Color

34.8429, 0.2930, 0.3510

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.3324, 0.3057, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8429, 0.2930, 0.3510 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(132, 167, 153)` looks like.

```
.text, #text, p{  
    color:rgb(132, 167, 153)  
}
```

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(132, 167, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 167, 153) }
```

Border

The CSS property to change the border of an element to Yxy 34.8429, 0.2930, 0.3510 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(132, 167, 153) }
```

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

```
.border{ border-color:rgb(132, 167, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 167, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 167, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 167, 153);  
box-shadow:4px 4px 4px 4px rgb(132, 167,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8429, 0.2930, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 167, 153) }
```

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

```
.background{ background-color: rgb(132,  
167, 153) }
```

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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