

Converting Colors

$Y_{xy}(34.9009, 0.2818, 0.3564)$

Have a look what the booklet for
Yxy(34.9009, 0.2818, 0.3564)
contains.

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Color

Yxy(34.9009, 0.2818, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	76AA99
RGB	118, 170, 153
RGB Percent	46%, 67%, 60%
CMY	0.5373, 0.3333, 0.3999
CMYK	0.31, 0.00, 0.10, 0.33
HSL	160°, 23%, 56%
HSV	160°, 31%, 67%
XYZ	27.5956, 34.9009, 35.4297
YIQ	152.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

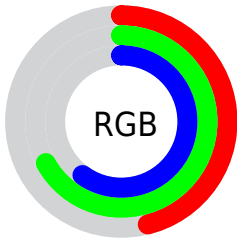
Format	Color
RYB	118, 149, 170
Decimal	7776921
CIELab	65.67, -20.95, 3.25
CIElCh	66, 21.200, 171.180
Yxy	34.9009, 0.2818, 0.3564
Android (android.graphics.Color)	4285967001 (0xFF76AA99)
YUV	152.5140, 0.2396, -30.2688
Hunter-Lab	59.0770, -20.0051, 5.7964

Details

The Yxy color $34.9009, 0.2818, 0.3564$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $23.2480, 0.3579, 0.3034$, and the grayscale version is $31.6404, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.1261, 0.2884, 0.3507$, and $15.1095, 0.2717, 0.3668$ is the 20% darker color. If you saturate the color by 10%, you get $33.6385, 0.2732, 0.3670$, and if you desaturate by 10%, it is $36.3892, 0.2913, 0.3466$.

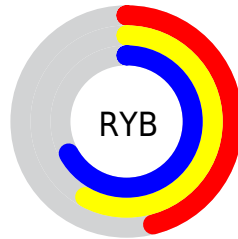
Distribution



Red (46%)

Green (67%)

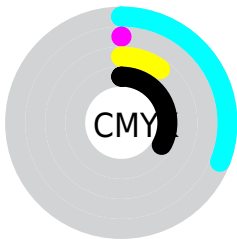
Blue (60%)



Red (46%)

Yellow (58%)

Blue (67%)

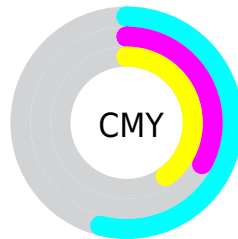


Cyan (31%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (54%)


Magenta (33%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9009, 0.2818, 0.3564 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 34.9009, 0.2818, 0.3564 by changing the saturation by 10% instead.


 34.9009, 0.2818,
0.3564


 34.9009, 0.2818,
0.3564


324.1307, 0.2981,
0.3418

 23.5865, 0.2774,
0.3604


 67.3322, 0.2879,
0.3509

 15.0272, 0.2717,
0.3656


 89.2180, 0.2902,
0.3489

 8.8385, 0.2636,
0.3730


 115.3963, 0.2920,
0.3472

 4.6360, 0.2517,
0.3842

146.2516, 0.2936,
0.3458

 2.0353, 0.2323,
0.4028

182.1684, 0.2950,
0.3446

 0.6279, 0.0730,
0.5368

223.5308, 0.2961,

 0.0000, 0.0000,

0.3436

0.0000

270.7235, 0.2972,
0.3426

■ 34.9009, 0.2818,
0.3564

■ 34.9009, 0.2818,
0.3564

■ 33.6385, 0.2732,
0.3670

■ 36.3892, 0.2913,
0.3466

■ 32.5860, 0.2659,
0.3783

■ 38.1099, 0.3015,
0.3376

■ 31.7322, 0.2602,
0.3901

■ 40.0744, 0.3121,
0.3295

■ 31.0629, 0.2561,
0.4023

■ 42.2923, 0.3228,
0.3222

■ 30.5620, 0.2541,
0.4147

■ 44.7725, 0.3336,
0.3157

■ 30.2107, 0.2539,
0.4271

■ 47.5235, 0.3442,
0.3099

■ 29.9778, 0.2551,
0.4385

■ 50.5534, 0.3546,
0.3049

■ 53.8700, 0.3647,
0.3005

■ 54.3212, 0.3605,
0.2949

Harmonies

Analogous

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



34.9009, 0.3127, 0.3800



34.9009, 0.2818, 0.3564



34.9009, 0.2599, 0.3251

Triad

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



34.9009, 0.2818, 0.3564



34.9009, 0.2794, 0.2756



34.9009, 0.3779, 0.3557

Complementary

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



34.9009, 0.2818, 0.3564



23.2480, 0.3579, 0.3034

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.



34.9009, 0.3683, 0.3289



34.9009, 0.2818, 0.3564



34.9009, 0.3100, 0.2843

Square

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



34.9009, 0.2818, 0.3564



34.9009, 0.2586, 0.2797



34.9009, 0.3429, 0.3034



34.9009, 0.3689, 0.3776

Rectangle

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



34.9009, 0.2818, 0.3564



34.9009, 0.2527, 0.3056



34.9009, 0.3429, 0.3034



34.9009, 0.3767, 0.3470

Sweetspot

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



34.9023, 0.2818, 0.3564



69.6267, 0.3030, 0.3364



35.2366, 0.3242, 0.4126



15.4201, 0.3015, 0.3376



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.



34.9023, 0.2818, 0.3564



61.6608, 0.2756, 0.3638



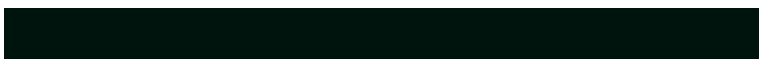
32.3597, 0.2680, 0.3150



8.4898, 0.3029, 0.3365



22.0613, 0.2548, 0.4372



0.5456, 0.2436, 0.3970

Inverse Universe

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



23.2480, 0.3579, 0.3034



36.9673, 0.3728, 0.2973



24.9439, 0.3761, 0.3424



7.5812, 0.3237, 0.3217



6.5022, 0.5623, 0.2871



0.1675, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 34.9009, 0.2818, 0.3564 looks on a white background.

Color Contrast Check

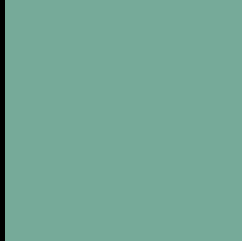
Large Text (above 18pt) WCAG AA × Fail

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 34.9009, 0.2818, 0.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

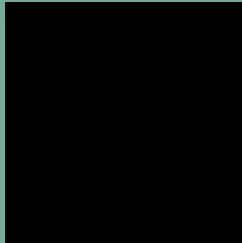
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9009, 0.2818, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 34.9009, 0.2818, 0.3564.

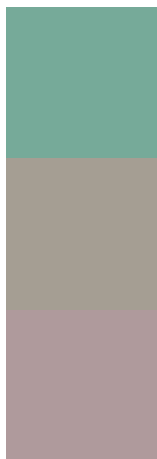


This preview shows how white text looks on a background with the Yxy color 34.9009, 0.2818, 0.3564.

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

34.9009, 0.2818, 0.3564

Protanopia

34.5596, 0.3298, 0.3452

Deuteranopia

34.6255, 0.3320, 0.3262



Tritanopia

34.8122, 0.2670, 0.3090

Trichromacy



Original Color

34.9009, 0.2818, 0.3564

Protanomaly

34.3065, 0.3108, 0.3490

Deuteranomaly

34.3782, 0.3114, 0.3365

Tritanomaly

34.6773, 0.2720, 0.3242

Monochromacy



Original Color

34.9009, 0.2818, 0.3564

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6716, 0.3000, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9009, 0.2818, 0.3564 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(118, 170, 153)` looks like.

```
.text, #text, p{  
    color:rgb(118, 170, 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(118, 170, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 170, 153) }
```

Border

The CSS property to change the border of an element to Yxy 34.9009, 0.2818, 0.3564 is called "border". The border property can be set on classes, ids or directly on the HTML element.

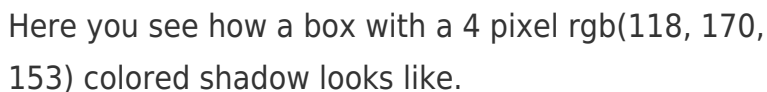
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 170, 153) }
```

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

```
.border{ border-color:rgb(118, 170, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 170, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 170, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 170, 153); box-shadow:4px 4px 4px 4px rgb(118, 170, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9009, 0.2818, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 170, 153) }
```

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

```
.background{ background-color: rgb(118,  
170, 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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