

Converting Colors

$Y_{xy}(34.7564, 0.2927, 0.3740)$

Have a look what the booklet for
Yxy(34.7564, 0.2927, 0.3740)
contains.

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Color

Yxy(34.7674, 0.2925, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	79AA8E
RGB	121, 170, 142
RGB Percent	47%, 67%, 56%
CMY	0.5256, 0.3333, 0.4431
CMYK	0.29, 0.00, 0.16, 0.33
HSL	146°, 22%, 57%
HSV	146°, 29%, 67%
XYZ	27.1403, 34.7674, 30.8796
YIQ	152.1570, -20.2160, -19.0960

Conversions

Conversions Part 2

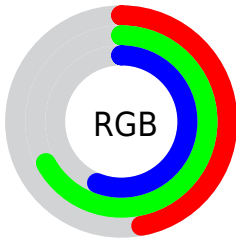
Format	Color
RYB	121, 155, 170
Decimal	7973518
CIELab	65.57, -22.33, 9.23
CIElCh	66, 24.163, 157.540
Yxy	34.7674, 0.2925, 0.3747
Android (android.graphics.Color)	4286163598 (0xFF79AA8E)
YUV	152.1570, -5.0074, -27.3247
Hunter-Lab	58.9639, -21.0257, 10.2243

Details

The Yxy color $34.7674, 0.2925, 0.3747$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $24.3828, 0.3400, 0.2875$, and the grayscale version is $31.4979, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.8346, 0.2963, 0.3643$, and $15.0692, 0.2857, 0.3911$ is the 20% darker color. If you saturate the color by 10%, you get $33.3683, 0.2864, 0.3938$, and if you desaturate by 10%, it is $36.4112, 0.2992, 0.3573$.

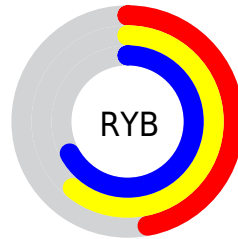
Distribution



Red (47%)

Green (67%)

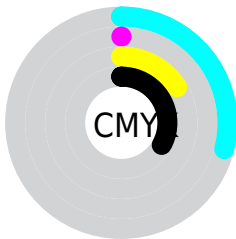
Blue (56%)



Red (47%)

Yellow (61%)

Blue (67%)

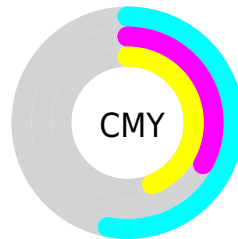


Cyan (29%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (53%)


Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7674, 0.2925, 0.3747 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 34.7674, 0.2925, 0.3747 by changing the saturation by 10% instead.


 34.7674, 0.2925,
0.3747


 34.7674, 0.2925,
0.3747


323.5405, 0.3034,
0.3500


 23.4838, 0.2895,
0.3815


 67.1253, 0.2967,
0.3652

 14.9511, 0.2853,
0.3908


 88.9683, 0.2982,
0.3618

 8.7851, 0.2795,
0.4040


 115.0999, 0.2995,
0.3590

 4.6013, 0.2704,
0.4242

145.9045, 0.3005,
0.3567

 2.0153, 0.2548,
0.4590

181.7664, 0.3014,
0.3546

 0.6163, 0.0596,
0.9028

223.0701, 0.3022,

 0.0000, 0.0000,

0.3529

0.0000

270.2000, 0.3029,
0.3514

■ 34.7674, 0.2925,
0.3747

■ 34.7674, 0.2925,
0.3747

■ 33.3683, 0.2864,
0.3938

■ 36.4112, 0.2992,
0.3573

■ 32.1976, 0.2812,
0.4142

■ 38.3064, 0.3063,
0.3415

■ 31.2437, 0.2772,
0.4358

■ 40.4651, 0.3136,
0.3275

■ 30.4920, 0.2748,
0.4578

■ 42.8970, 0.3207,
0.3150

■ 29.9263, 0.2742,
0.4798

■ 45.6115, 0.3278,
0.3040

■ 29.5276, 0.2754,
0.5008

■ 48.6175, 0.3346,
0.2944

■ 29.2610, 0.2782,
0.5205

■ 51.9234, 0.3411,
0.2860

■ 29.2333, 0.2785,
0.5226

■ 55.1607, 0.3456,
0.2784

■ 55.6887, 0.3373,
0.2691

Harmonies

Analogous

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



34.7674, 0.3294, 0.3941



34.7674, 0.2925, 0.3747



34.7674, 0.2622, 0.3409

Triad

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



34.7674, 0.2925, 0.3747



34.7674, 0.2624, 0.2687



34.7674, 0.3848, 0.3453

Complementary

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



34.7674, 0.2925, 0.3747



24.3828, 0.3400, 0.2875

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.



34.7674, 0.3648, 0.3149



34.7674, 0.2925, 0.3747



34.7674, 0.2927, 0.2723

Square

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



34.7674, 0.2925, 0.3747



34.7674, 0.2457, 0.2800



34.7674, 0.3303, 0.2889



34.7674, 0.3840, 0.3738

Rectangle

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



34.7674, 0.2925, 0.3747



34.7674, 0.2493, 0.3168



34.7674, 0.3303, 0.2889



34.7674, 0.3803, 0.3351

Sweetspot

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



34.7688, 0.2925, 0.3747



69.3791, 0.3061, 0.3420



36.5760, 0.3353, 0.4044



15.3569, 0.3051, 0.3441



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.



34.7688, 0.2925, 0.3747



61.3062, 0.2883, 0.3875



35.5655, 0.2747, 0.3353



8.4592, 0.3060, 0.3422



21.5129, 0.2780, 0.5206



0.5337, 0.2593, 0.4533

Inverse Universe

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



24.3828, 0.3400, 0.2875



39.1670, 0.3485, 0.2774



23.6964, 0.3696, 0.3229



7.6114, 0.3200, 0.3162



6.9330, 0.4631, 0.2325



0.1786, 0.4048, 0.2004

Previews

White Background



This preview shows how the Yxy color 34.7674, 0.2925, 0.3747 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 34.7674, 0.2925, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

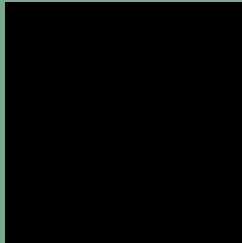
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7674, 0.2925, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 34.7674, 0.2925, 0.3747.



This preview shows how white text looks on a background with the Yxy color 34.7674, 0.2925, 0.3747.

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

34.7674, 0.2925, 0.3747

Protanopia

34.4468, 0.3422, 0.3615

Deuteranopia

34.4415, 0.3462, 0.3390



Tritanopia

34.7138, 0.2706, 0.3090

Trichromacy



Original Color

34.7674, 0.2925, 0.3747

Protanomaly

34.1597, 0.3225, 0.3661

Deuteranomaly

34.1097, 0.3244, 0.3501

Tritanomaly

34.7140, 0.2780, 0.3320

Monochromacy



Original Color

34.7674, 0.2925, 0.3747

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5971, 0.3052, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7674, 0.2925, 0.3747 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(121, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 142)  
}
```

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(121, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 34.7674, 0.2925, 0.3747 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(121, 170, 142) }
```

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

```
.border{ border-color:rgb(121, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7674, 0.2925, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 142) }
```

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

```
.background{ background-color: rgb(121,  
170, 142) }
```

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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