

Converting Colors

Yxy(34.9447, 0.3161, 0.4270)

Have a look what the booklet for
Yxy(34.9447, 0.3161, 0.4270)
contains.

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Color

Yxy(34.8349, 0.3157, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	7AAC71
RGB	122, 172, 113
RGB Percent	48%, 67%, 44%
CMY	0.5217, 0.3254, 0.5568
CMYK	0.29, 0.00, 0.34, 0.33
HSL	111°, 26%, 56%
HSV	111°, 34%, 67%
XYZ	25.7550, 34.8349, 20.9907
YIQ	150.3240, -10.8610, -28.9490

Conversions

Conversions Part 2

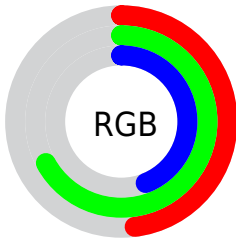
Format	Color
RYB	113, 172, 163
Decimal	8039537
CIELab	65.62, -28.26, 25.19
CIELCh	66, 37.854, 138.288
Yxy	34.8349, 0.3157, 0.4270
Android (android.graphics.Color)	4286229617 (0xFF7AAC71)
YUV	150.3240, -18.4007, -24.8401
Hunter-Lab	59.0211, -25.3950, 20.2285

Details

The Yxy color **34.8349, 0.3157, 0.4270** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.5837, 0.3063, 0.2430**, and the grayscale version is **30.7246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4335, 0.3164, 0.4069**, and **14.9034, 0.3141, 0.4626** is the 20% darker color. If you saturate the color by 10%, you get **33.4990, 0.3157, 0.4605**, and if you desaturate by 10%, it is **36.4072, 0.3152, 0.3951**.

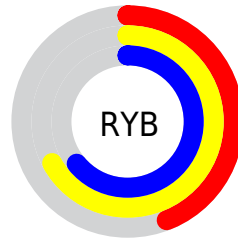
Distribution



Red (48%)

Green (67%)

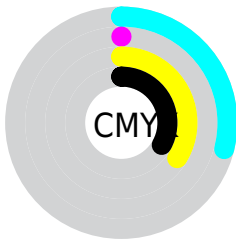
Blue (44%)



Red (44%)

Yellow (67%)

Blue (64%)

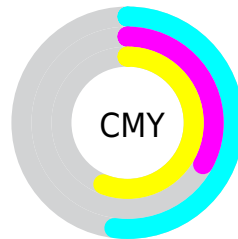


Cyan (29%)

Magenta (0%)

Yellow (34%)

Black (33%)



Cyan (52%)


Magenta (33%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8349, 0.3157, 0.4270 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 34.8349, 0.3157, 0.4270 by changing the saturation by 10% instead.


 34.8349, 0.3157,
0.4270


 34.8349, 0.3157,
0.4270


323.8390, 0.3156,
0.3732


 23.5357, 0.3151,
0.4421


 67.2299, 0.3161,
0.4062


 14.9896, 0.3137,
0.4626


 89.0946, 0.3161,
0.3988

 8.8121, 0.3109,
0.4917


 115.2498, 0.3161,
0.3927

 4.6188, 0.3046,
0.5359

 146.0801, 0.3160,
0.3875

 2.0254, 0.3087,
0.6521

181.9697, 0.3159,
0.3832

 0.6222, 0.0000,
1.0000


223.3031, 0.3158,


 0.0000, 0.0000,


0.3794


0.0000


270.4648, 0.3157,
0.3761


 34.8349, 0.3157,
0.4270


 34.8349, 0.3157,
0.4270


 33.4990, 0.3157,
0.4605


 36.4072, 0.3152,
0.3951


 32.3836, 0.3151,
0.4943


 38.2218, 0.3143,
0.3658


 31.4782, 0.3138,
0.5264


 40.2901, 0.3132,
0.3394


 30.7692, 0.3117,
0.5544


 42.6214, 0.3120,
0.3160

 30.2416, 0.3091,
0.5762

 45.2245, 0.3107,
0.2955

 29.8780, 0.3060,
0.5906

 48.1079, 0.3094,
0.2776

 29.7303, 0.3046,
0.5964

 51.2796, 0.3081,
0.2620

 54.7474, 0.3068,
0.2485

 57.6653, 0.3152,
0.2475

Harmonies

Analogous

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



34.8349, 0.3717, 0.4335



34.8349, 0.3157, 0.4270



34.8349, 0.2617, 0.3845

Triad

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



34.8349, 0.3157, 0.4270



34.8349, 0.2177, 0.2448



34.8349, 0.4094, 0.3217

Complementary

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



34.8349, 0.3157, 0.4270



22.5837, 0.3063, 0.2430

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.



34.8349, 0.3605, 0.2808



34.8349, 0.3157, 0.4270



34.8349, 0.2497, 0.2378

Square

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



34.8349, 0.3157, 0.4270



34.8349, 0.2086, 0.2743



34.8349, 0.3009, 0.2511



34.8349, 0.4291, 0.3669

Rectangle

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



34.8349, 0.3157, 0.4270



34.8349, 0.2339, 0.3450



34.8349, 0.3009, 0.2511



34.8349, 0.3956, 0.3073

Sweetspot

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



34.8364, 0.3157, 0.4270



70.8200, 0.3139, 0.3546



35.8676, 0.3676, 0.4002



15.2823, 0.3140, 0.3582



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.



34.8364, 0.3157, 0.4270



61.3468, 0.3158, 0.4518



34.7051, 0.2933, 0.3948



8.9955, 0.3138, 0.3523



22.1367, 0.3050, 0.5960



0.6333, 0.3213, 0.5831

Inverse Universe

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



22.5837, 0.3063, 0.2430



35.7804, 0.3043, 0.2244



22.8620, 0.3397, 0.2714



8.0856, 0.3114, 0.3065



6.7768, 0.2834, 0.1335



0.2049, 0.2955, 0.1402

Previews

White Background



This preview shows how the Yxy color 34.8349, 0.3157, 0.4270 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 34.8349, 0.3157, 0.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

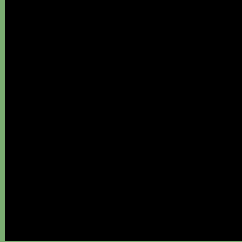
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8349, 0.3157, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 34.8349, 0.3157, 0.4270.



This preview shows how white text looks on a background with the Yxy color 34.8349, 0.3157, 0.4270.

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

34.8349, 0.3157, 0.4270

Protanopia

34.6285, 0.3746, 0.4045

Deuteranopia

34.4322, 0.3856, 0.3774



Tritanopia

34.7118, 0.2751, 0.3092

Trichromacy



Original Color

34.8349, 0.3157, 0.4270

Protanomaly

34.5251, 0.3518, 0.4136

Deuteranomaly

33.9497, 0.3578, 0.3936

Tritanomaly

34.6377, 0.2897, 0.3496

Monochromacy



Original Color

34.8349, 0.3157, 0.4270

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8353, 0.3140, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8349, 0.3157, 0.4270 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(122, 172, 113)` looks like.

```
.text, #text, p{  
    color:rgb(122, 172, 113)  
}
```

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(122, 172, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 172, 113) }
```

Border

The CSS property to change the border of an element to Yxy 34.8349, 0.3157, 0.4270 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(122, 172, 113) }
```

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

```
.border{ border-color:rgb(122, 172, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 172, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 172, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 172, 113);  
box-shadow:4px 4px 4px 4px rgb(122, 172,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8349, 0.3157, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 172, 113) }
```

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

```
.background{ background-color: rgb(122,  
172, 113) }
```

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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