

Converting Colors

$Y_{xy}(36.7110, 0.3165, 0.4089)$

Have a look what the booklet for
Yxy(36.7110, 0.3165, 0.4089)
contains.

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Color

Yxy(36.7139, 0.3167, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	85AE7C
RGB	133, 174, 124
RGB Percent	52%, 68%, 49%
CMY	0.4786, 0.3176, 0.5138
CMYK	0.24, 0.00, 0.29, 0.32
HSL	109°, 24%, 58%
HSV	109°, 29%, 68%
XYZ	28.4425, 36.7139, 24.6526
YIQ	156.0410, -8.3860, -24.2420

Conversions

Conversions Part 2

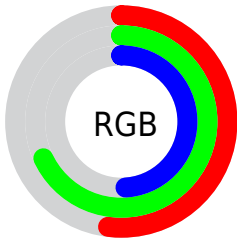
Format	Color
RYB	124, 174, 165
Decimal	8760956
CIELab	67.06, -23.59, 21.31
CIElCh	67, 31.791, 137.903
Yxy	36.7139, 0.3167, 0.4088
Android (android.graphics.Color)	4286951036 (0xFF85AE7C)
YUV	156.0410, -15.7962, -20.2070
Hunter-Lab	60.5920, -22.2463, 18.2916

Details

The Yxy color **36.7139, 0.3167, 0.4088** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.4726, 0.3061, 0.2568**, and the grayscale version is **33.3372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3327, 0.3165, 0.3924**, and **15.9766, 0.3158, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **35.2295, 0.3174, 0.4413**, and if you desaturate by 10%, it is **38.4372, 0.3156, 0.3784**.

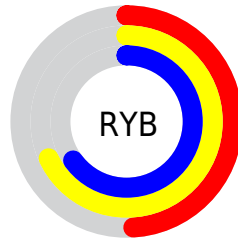
Distribution



Red (52%)

Green (68%)

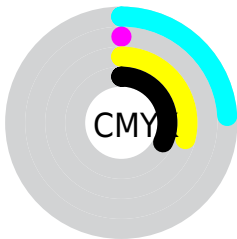
Blue (49%)



Red (49%)

Yellow (68%)

Blue (65%)

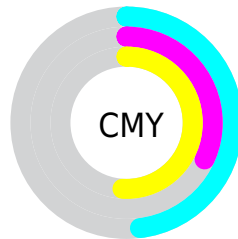


Cyan (24%)

Magenta (0%)

Yellow (29%)

Black (32%)



Cyan (48%)


Magenta (32%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7139, 0.3167, 0.4088 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 36.7139, 0.3167, 0.4088 by changing the saturation by 10% instead.


 36.7139, 0.3167,
0.4088


 36.7139, 0.3167,
0.4088

332.0702, 0.3156,
0.3656

 24.9861, 0.3166,
0.4207


 70.1325, 0.3166,
0.3923

 16.0667, 0.3161,
0.4367


 92.5921, 0.3164,
0.3863

 9.5713, 0.3150,
0.4593


 119.3977, 0.3163,
0.3814

 5.1157, 0.3119,
0.4934

150.9338, 0.3161,
0.3773

 2.3153, 0.3073,
0.5565

187.5847, 0.3160,
0.3737

 0.7818, 0.1762,
0.8238

229.7348, 0.3158,

 0.0000, 0.0000,

0.3707

0.0000

277.7685, 0.3157,
0.3680

■ 36.7139, 0.3167,
0.4088

■ 36.7139, 0.3167,
0.4088

■ 35.2295, 0.3174,
0.4413

■ 38.4372, 0.3156,
0.3784

■ 33.9687, 0.3174,
0.4749

■ 40.4043, 0.3141,
0.3508

■ 32.9220, 0.3167,
0.5079


■ 42.6260, 0.3125,
0.3261

■ 32.0771, 0.3151,
0.5382


■ 45.1111, 0.3108,
0.3042

■ 31.4205, 0.3127,
0.5636


■ 47.8678, 0.3091,
0.2851

 30.9370, 0.3096,
0.5823

 50.9042, 0.3074,
0.2684

 30.6050, 0.3062,
0.5940

 54.2277, 0.3058,
0.2539

 30.5714, 0.3059,
0.5953

 57.3063, 0.3103,
0.2483

 58.7566, 0.3164,
0.2498

Harmonies

Analogous

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



36.7139, 0.3631, 0.4151



36.7139, 0.3167, 0.4088



36.7139, 0.2713, 0.3749

Triad

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



36.7139, 0.3167, 0.4088



36.7139, 0.2327, 0.2590



36.7139, 0.3919, 0.3233

Complementary

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



36.7139, 0.3167, 0.4088



25.4726, 0.3061, 0.2568

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.



36.7139, 0.3518, 0.2883



36.7139, 0.3167, 0.4088



36.7139, 0.2599, 0.2522

Square

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



36.7139, 0.3167, 0.4088



36.7139, 0.2252, 0.2848



36.7139, 0.3027, 0.2630



36.7139, 0.4089, 0.3617

Rectangle

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



36.7139, 0.3167, 0.4088



36.7139, 0.2476, 0.3433



36.7139, 0.3027, 0.2630



36.7139, 0.3806, 0.3109

Sweetspot

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



36.7155, 0.3167, 0.4088



73.1221, 0.3142, 0.3519



37.3080, 0.3586, 0.3875



16.1330, 0.3144, 0.3557



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.7155, 0.3167, 0.4088



64.9596, 0.3172, 0.4276



36.4495, 0.2968, 0.3840



9.0059, 0.3142, 0.3522



22.1896, 0.3064, 0.5949



0.6374, 0.3249, 0.5802

Inverse Universe

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



25.4726, 0.3061, 0.2568



41.4496, 0.3043, 0.2416



25.8875, 0.3334, 0.2798



8.0743, 0.3110, 0.3065



6.4609, 0.2766, 0.1297



0.1984, 0.2909, 0.1376

Previews

White Background



This preview shows how the Yxy color 36.7139, 0.3167, 0.4088 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 36.7139, 0.3167, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

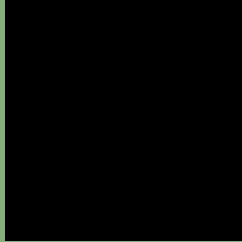
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7139, 0.3167, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 36.7139, 0.3167, 0.4088.



This preview shows how white text looks on a background with the Yxy color 36.7139, 0.3167, 0.4088.

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

36.7139, 0.3167, 0.4088

Protanopia

36.6403, 0.3649, 0.3920

Deuteranopia

36.2826, 0.3748, 0.3673



Tritanopia

36.6835, 0.2805, 0.3098

Trichromacy



Original Color

36.7139, 0.3167, 0.4088

Protanomaly

36.4915, 0.3464, 0.3979

Deuteranomaly

36.1617, 0.3513, 0.3816

Tritanomaly

36.7765, 0.2936, 0.3442

Monochromacy



Original Color

36.7139, 0.3167, 0.4088

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5039, 0.3151, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7139, 0.3167, 0.4088 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(133, 174, 124)` looks like.

```
.text, #text, p{  
    color:rgb(133, 174, 124)  
}
```

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(133, 174, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 174, 124) }
```

Border

The CSS property to change the border of an element to Yxy 36.7139, 0.3167, 0.4088 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(133, 174, 124) }
```

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

```
.border{ border-color:rgb(133, 174, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 174, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 174, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 174, 124);  
box-shadow:4px 4px 4px 4px rgb(133, 174,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7139, 0.3167, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 174, 124) }
```

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

```
.background{ background-color: rgb(133,  
174, 124) }
```

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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