

Converting Colors

$Yxy(34.1959, 0.3405, 0.4666)$

Have a look what the booklet for
Yxy(34.1959, 0.3405, 0.4666)
contains.

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Color

Yxy(34.3097, 0.3405, 0.4673)

Conversions

Conversions Part 1

Format	Color
Hex	7FAB56
RGB	127, 171, 86
RGB Percent	50%, 67%, 34%
CMY	0.5018, 0.3294, 0.6627
CMYK	0.26, 0.00, 0.50, 0.33
HSL	91°, 34%, 50%
HSV	91°, 50%, 67%
XYZ	24.9999, 34.3097, 14.1115
YIQ	148.1540, 1.0610, -35.7630

Conversions

Conversions Part 2

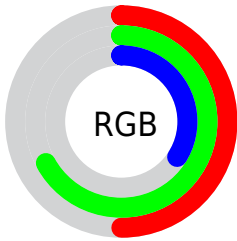
Format	Color
RYB	86, 171, 130
Decimal	8366934
CIELab	65.21, -29.67, 38.80
CIELCh	65, 48.847, 127.408
Yxy	34.3097, 0.3405, 0.4673
Android (android.graphics.Color)	4286557014 (0xFF7FAB56)
YUV	148.1540, -30.6419, -18.5521
Hunter-Lab	58.5745, -26.3206, 26.7182

Details

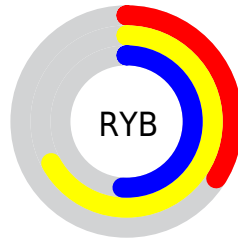
The Yxy color **34.3097, 0.3405, 0.4673** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.3414, 0.2670, 0.1926**, and the grayscale version is **29.8164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7182, 0.3372, 0.4381**, and **14.5863, 0.3426, 0.5144** is the 20% darker color. If you saturate the color by 10%, you get **33.4179, 0.3432, 0.4958**, and if you desaturate by 10%, it is **35.3301, 0.3363, 0.4376**.

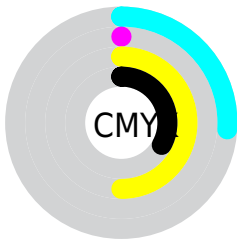
Distribution



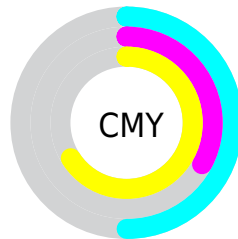
- Red (50%)
- Green (67%)
- Blue (34%)



- Red (34%)
- Yellow (67%)
- Blue (51%)



- Cyan (26%)
- Magenta (0%)
- Yellow (50%)
- Black (33%)



- Cyan (50%)
- Magenta (33%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3097, 0.3405, 0.4673 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 34.3097, 0.3405, 0.4673 by changing the saturation by 10% instead.

 34.3097, 0.3405,
0.4673


 34.3097, 0.3405,
0.4673


321.5108, 0.3291,
0.3916


 23.1316, 0.3419,
0.4881


 66.4150, 0.3372,
0.4383


 14.6907, 0.3426,
0.5155


 88.1110, 0.3357,
0.4279


 8.6026, 0.3409,
0.5531


 114.0817, 0.3343,
0.4192

 4.4829, 0.3386,
0.6165

 144.7117, 0.3331,
0.4119

 1.9472, 0.3103,
0.6897

 180.3851, 0.3319,
0.4057

 0.5765, 0.0000,
1.0000

221.4865, 0.3309,

 0.0000, 0.0000,

0.4003

0.0000

268.4003, 0.3299,
0.3957

■ 34.3097, 0.3405,
0.4673

■ 34.3097, 0.3405,
0.4673

■ 33.4179, 0.3432,
0.4958

■ 35.3301, 0.3363,
0.4376

■ 32.6438, 0.3441,
0.5218

■ 36.4804, 0.3311,
0.4081

■ 31.9820, 0.3429,
0.5436


■ 37.7673, 0.3251,
0.3796

■ 31.4244, 0.3396,
0.5602

■ 39.1960, 0.3189,
0.3529


■ 30.9558, 0.3348,
0.5721


■ 40.7712, 0.3125,
0.3283

 30.9426, 0.3347,
0.5725

 42.4973, 0.3063,
0.3059

 44.3787, 0.3003,
0.2857

 46.4195, 0.2945,
0.2676

 48.6235, 0.2892,
0.2515

Harmonies

Analogous

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



34.3097, 0.4083, 0.4536



34.3097, 0.3405, 0.4673



34.3097, 0.2691, 0.4282

Triad

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



34.3097, 0.3405, 0.4673



34.3097, 0.1864, 0.2314



34.3097, 0.4185, 0.2985

Complementary

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



34.3097, 0.3405, 0.4673



14.3414, 0.2670, 0.1926

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.



34.3097, 0.3457, 0.2528



34.3097, 0.3405, 0.4673



34.3097, 0.2153, 0.2147

Square

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



34.3097, 0.3405, 0.4673



34.3097, 0.1853, 0.2773



34.3097, 0.2707, 0.2231



34.3097, 0.4594, 0.3526

Rectangle

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



34.3097, 0.3405, 0.4673



34.3097, 0.2291, 0.3782



34.3097, 0.2707, 0.2231



34.3097, 0.3964, 0.2819

Sweetspot

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



34.3112, 0.3405, 0.4673



68.7462, 0.3224, 0.3676



25.2738, 0.4131, 0.3948



15.2157, 0.3237, 0.3731



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.



34.3112, 0.3405, 0.4673



59.6523, 0.3434, 0.4996



31.7982, 0.3046, 0.4809



9.1219, 0.3186, 0.3519



23.3588, 0.3354, 0.5719



0.6825, 0.3598, 0.5525

Inverse Universe

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



14.3414, 0.2670, 0.1926



19.5949, 0.2530, 0.1613



18.2017, 0.3200, 0.2130



7.9533, 0.3063, 0.3061



3.8285, 0.2073, 0.0915



0.1389, 0.2409, 0.1101

Previews

White Background



This preview shows how the Yxy color 34.3097, 0.3405, 0.4673 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 34.3097, 0.3405, 0.4673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

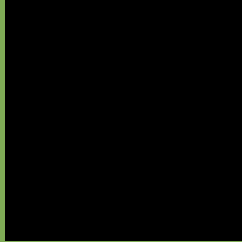
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3097, 0.3405, 0.4673

Background



This preview shows how black text looks on a background with the Yxy color 34.3097, 0.3405, 0.4673.



This preview shows how white text looks on a background with the Yxy color 34.3097, 0.3405, 0.4673.

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

34.3097, 0.3405, 0.4673

Protanopia

34.0616, 0.3992, 0.4357

Deuteranopia

33.7745, 0.4165, 0.4074



Tritanopia

34.1212, 0.2828, 0.3093

Trichromacy



Original Color

34.3097, 0.3405, 0.4673

Protanomaly

33.9870, 0.3769, 0.4484

Deuteranomaly

33.4998, 0.3869, 0.4295

Tritanomaly

34.0142, 0.3046, 0.3657

Monochromacy



Original Color

34.3097, 0.3405, 0.4673

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8331, 0.3252, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3097, 0.3405, 0.4673 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(127, 171, 86)` looks like.

```
.text, #text, p{  
    color:rgb(127, 171, 86)  
}
```

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(127, 171, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 171, 86) }
```

Border

The CSS property to change the border of an element to Yxy 34.3097, 0.3405, 0.4673 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(127, 171, 86) }
```

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

```
.border{ border-color:rgb(127, 171, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 171, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 171, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 171, 86);  
box-shadow:4px 4px 4px 4px rgb(127, 171,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3097, 0.3405, 0.4673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 171, 86) }
```

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

```
.background{ background-color: rgb(127,  
171, 86) }
```

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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