

Converting Colors

Yxy(34.8014, 0.2829, 0.4613)

Have a look what the booklet for
Yxy(34.8014, 0.2829, 0.4613)
contains.

Yxy(34.9852, 0.2834, 0.4622)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.9852, 0.2834, 0.4622)

Conversions

Conversions Part 1

Format	Color
Hex	46B46A
RGB	70, 180, 106
RGB Percent	27%, 71%, 42%
CMY	0.7253, 0.2941, 0.5843
CMYK	0.61, 0.00, 0.41, 0.29
HSL	140°, 44%, 49%
HSV	140°, 61%, 71%
XYZ	21.4513, 34.9852, 19.2562
YIQ	138.6740, -41.8060, -46.3340

Conversions

Conversions Part 2

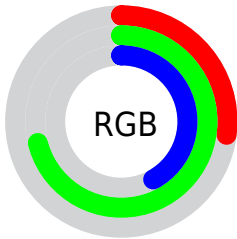
Format	Color
RYB	70, 153, 180
Decimal	4633706
CIELab	65.74, -47.89, 28.66
CIELCh	66, 55.816, 149.100
Yxy	34.9852, 0.2834, 0.4622
Android (android.graphics.Color)	4282823786 (0xFF46B46A)
YUV	138.6740, -16.1083, -60.2271
Hunter-Lab	59.1483, -38.7728, 22.1014

Details

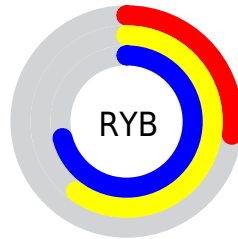
The Yxy color **34.9852, 0.2834, 0.4622** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.1062, 0.3706, 0.2291**, and the grayscale version is **25.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6262, 0.2908, 0.4335**, and **15.2171, 0.2752, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **34.1795, 0.2820, 0.4879**, and if you desaturate by 10%, it is **36.0301, 0.2863, 0.4365**.

Distribution



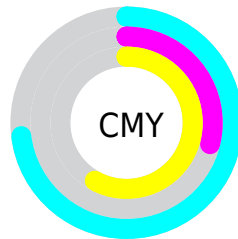
- Red (27%)
- Green (71%)
- Blue (42%)



- Red (27%)
- Yellow (60%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (41%)
- Black (29%)





- Cyan (73%)
- Magenta (29%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9852, 0.2834, 0.4622 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 34.9852, 0.2834, 0.4622 by changing the saturation by 10% instead.

 34.9852, 0.2834,
0.4622


 34.9852, 0.2834,
0.4622


324.5030, 0.3014,
0.3876


 23.6515, 0.2775,
0.4837


 67.4628, 0.2909,
0.4330


 15.0753, 0.2689,
0.5131


 89.3755, 0.2934,
0.4227


 8.8722, 0.2556,
0.5554


 115.5834, 0.2954,
0.4142

 4.6579, 0.2329,
0.6201

 146.4707, 0.2971,
0.4071

 2.0480, 0.1920,
0.8080

 182.4219, 0.2985,
0.4011

 0.6351, 0.0000,
1.0000

223.8215, 0.2996,

 0.0000, 0.0000,

0.3960

0.0000

271.0537, 0.3006,
0.3915

■ 34.9852, 0.2834,
0.4622

■ 34.9852, 0.2834,
0.4622

■ 34.1795, 0.2820,
0.4879

■ 36.0301, 0.2863,
0.4365

■ 33.5885, 0.2823,
0.5126

■ 37.3274, 0.2903,
0.4117

■ 33.1903, 0.2842,
0.5350

■ 38.8946, 0.2951,
0.3885

■ 32.9560, 0.2868,
0.5526

■ 40.7462, 0.3006,
0.3671

■ 42.8957, 0.3063,
0.3479

■ 45.3558, 0.3121,
0.3307

■ 48.1384, 0.3178,
0.3156

■ 51.2547, 0.3234,
0.3023

■ 54.7155, 0.3288,
0.2907

Harmonies

Analogous

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



34.9852, 0.3642, 0.4874



34.9852, 0.2834, 0.4622



34.9852, 0.2150, 0.3795

Triad

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



34.9852, 0.2834, 0.4622



34.9852, 0.1923, 0.2038



34.9852, 0.4713, 0.3361

Complementary

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



34.9852, 0.2834, 0.4622



16.1062, 0.3706, 0.2291

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.



34.9852, 0.4119, 0.2788



34.9852, 0.2834, 0.4622



34.9852, 0.2452, 0.2065

Square

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



34.9852, 0.2834, 0.4622



34.9852, 0.1692, 0.2296



34.9852, 0.3247, 0.2331



34.9852, 0.4779, 0.3976

Rectangle

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



34.9852, 0.2834, 0.4622



34.9852, 0.1853, 0.3171



34.9852, 0.3247, 0.2331



34.9852, 0.4567, 0.3162

Sweetspot

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



34.9866, 0.2834, 0.4622



74.9077, 0.3021, 0.3616



39.1213, 0.3639, 0.4885



15.9607, 0.3005, 0.3673



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.9866, 0.2834, 0.4622



61.5956, 0.2819, 0.4959



36.4787, 0.2504, 0.3628



9.5344, 0.3073, 0.3447



23.0129, 0.2862, 0.5504



0.7351, 0.2695, 0.4903

Inverse Universe

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



16.1062, 0.3706, 0.2291



24.4264, 0.3886, 0.2156



14.8325, 0.4660, 0.3022



8.5985, 0.3186, 0.3138



7.7513, 0.4230, 0.2104



0.2541, 0.3882, 0.1912

Previews

White Background



This preview shows how the Yxy color 34.9852, 0.2834, 0.4622 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 34.9852, 0.2834, 0.4622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

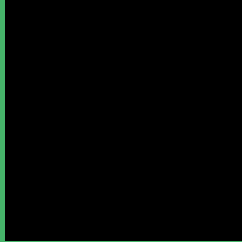
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9852, 0.2834, 0.4622

Background



This preview shows how black text looks on a background with the Yxy color 34.9852, 0.2834, 0.4622.



This preview shows how white text looks on a background with the Yxy color 34.9852, 0.2834, 0.4622.

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

34.9852, 0.2834, 0.4622

Protanopia

34.5624, 0.3838, 0.4167

Deuteranopia

34.3401, 0.3896, 0.3828



Tritanopia

34.9558, 0.2442, 0.3067

Trichromacy



Original Color

34.9852, 0.2834, 0.4622



Protanomaly

33.8113, 0.3393, 0.4358



Deuteranomaly

32.9862, 0.3423, 0.4120



Tritanomaly

34.6037, 0.2584, 0.3593

Monochromacy



Original Color

34.9852, 0.2834, 0.4622



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.2209, 0.2981, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9852, 0.2834, 0.4622 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(70, 180, 106)` looks like.

```
.text, #text, p{  
    color:rgb(70, 180, 106)  
}
```

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(70, 180, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 180, 106) }
```

Border

The CSS property to change the border of an element to Yxy 34.9852, 0.2834, 0.4622 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(70, 180, 106) }
```

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

```
.border{ border-color:rgb(70, 180, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 180, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 180, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 180, 106);  
box-shadow:4px 4px 4px 4px rgb(70, 180,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9852, 0.2834, 0.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 180, 106) }
```

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

```
.background{ background-color: rgb(70, 180,  
106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor