

Converting Colors

$Yxy(34.1645, 0.3879, 0.5443)$

Have a look what the booklet for
Yxy(34.1645, 0.3879, 0.5443)
contains.

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Color

Yxy(34.2767, 0.3827, 0.5343)

Conversions

Conversions Part 1

Format	Color
Hex	87AB00
RGB	135, 171, 0
RGB Percent	53%, 67%, 0%
CMY	0.4707, 0.3294, 0.9996
CMYK	0.21, 0.00, 1.00, 0.33
HSL	73°, 100%, 34%
HSV	73°, 100%, 67%
XYZ	24.5512, 34.2767, 5.3247
YIQ	140.7420, 33.4350, -60.8130

Conversions

Conversions Part 2

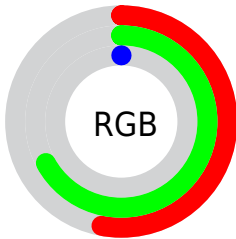
Format	Color
RYB	0, 171, 36
Decimal	8891136
CIELab	65.18, -31.49, 66.83
CIELCh	65, 73.878, 115.230
Yxy	34.2767, 0.3827, 0.5343
Android (android.graphics.Color)	4287081216 (0xFF87AB00)
YUV	140.7420, -69.3858, -5.0357
Hunter-Lab	58.5463, -27.6027, 35.5901

Details

The Yxy color **34.2767, 0.3827, 0.5343** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3207, 0.1612, 0.0662**, and the grayscale version is **26.8001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1210, 0.3769, 0.4960**, and **14.8991, 0.3647, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **34.2762, 0.3827, 0.5343**, and if you desaturate by 10%, it is **34.6233, 0.3839, 0.5265**.

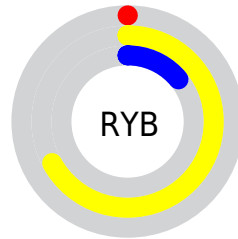
Distribution



Red (53%)

Green (67%)

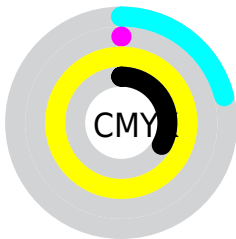
Blue (0%)



Red (0%)

Yellow (67%)

Blue (14%)

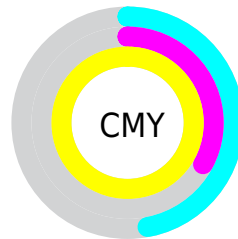


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2767, 0.3827, 0.5343 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 34.2767, 0.3827, 0.5343 by changing the saturation by 10% instead.


 34.2767, 0.3827,
0.5343


 34.2767, 0.3827,
0.5343


321.3641, 0.3567,
0.4277


 23.1062, 0.3838,
0.5588


 66.3637, 0.3768,
0.4963


 14.6720, 0.3814,
0.5876


 88.0491, 0.3734,
0.4817


 8.5895, 0.3745,
0.6255


 114.0082, 0.3701,
0.4692

 4.4744, 0.3460,
0.6540

 144.6255, 0.3669,
0.4585

 1.9423, 0.2991,
0.7009

 180.2853, 0.3641,
0.4492

 0.5736, 0.0000,
1.0000

 221.3721, 0.3614,

 0.0000, 0.0000,

0.4411

0.0000

268.2702, 0.3589,
0.4340

34.2767, 0.3827,
0.5343

34.2767, 0.3827,
0.5343

34.2762, 0.3827,
0.5343

34.6233, 0.3839,
0.5265

35.0139, 0.3831,
0.5151

35.4639, 0.3798,
0.4991

35.9801, 0.3741,
0.4792

36.5678, 0.3663,
0.4561

■ 37.2319, 0.3569,
0.4310

■ 37.9769, 0.3463,
0.4049

■ 38.8068, 0.3352,
0.3787

■ 39.7254, 0.3238,
0.3532

Harmonies

Analogous

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



34.2767, 0.4730, 0.4723



34.2767, 0.3827, 0.5343



34.2767, 0.2812, 0.5239

Triad

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



34.2767, 0.3827, 0.5343



34.2767, 0.1332, 0.2060



34.2767, 0.4295, 0.2548

Complementary

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



34.2767, 0.3827, 0.5343



3.3207, 0.1612, 0.0662

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.



34.2767, 0.3113, 0.2027



34.2767, 0.3827, 0.5343



34.2767, 0.1562, 0.1733

Square

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



34.2767, 0.3827, 0.5343



34.2767, 0.1436, 0.2853



34.2767, 0.2143, 0.1741



34.2767, 0.5159, 0.3213

Rectangle

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



34.2767, 0.3827, 0.5343



34.2767, 0.2193, 0.4577



34.2767, 0.2143, 0.1741



34.2767, 0.3905, 0.2353

Sweetspot

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



34.2782, 0.3827, 0.5343



67.9223, 0.3470, 0.4065



9.8199, 0.6167, 0.3485



15.0219, 0.3514, 0.4172



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.



34.2782, 0.3827, 0.5343



61.2842, 0.3820, 0.5349



29.8437, 0.3145, 0.5884



9.2437, 0.3231, 0.3516



25.8588, 0.3831, 0.5340



0.7405, 0.3947, 0.5248

Inverse Universe

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



3.3207, 0.1612, 0.0662



5.8652, 0.1600, 0.0655



6.9174, 0.2467, 0.1133



7.8356, 0.3017, 0.3058



2.5193, 0.1619, 0.0665



0.0929, 0.1913, 0.0828

Previews

White Background



This preview shows how the Yxy color 34.2767, 0.3827, 0.5343 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 34.2767, 0.3827, 0.5343 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 34.2767, 0.3827, 0.5343

Background



This preview shows how black text looks on a background with the Yxy color 34.2767, 0.3827, 0.5343.



This preview shows how white text looks on a background with the Yxy color 34.2767, 0.3827, 0.5343.

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

34.2767, 0.3827, 0.5343

Protanopia

33.9187, 0.4405, 0.4885

Deuteranopia

34.0537, 0.4640, 0.4553



Tritanopia

34.2589, 0.2931, 0.3097

Trichromacy



Original Color

34.2767, 0.3827, 0.5343

Protanomaly

33.8758, 0.4183, 0.5061

Deuteranomaly

33.7343, 0.4349, 0.4849

Tritanomaly

33.3183, 0.3429, 0.4149

Monochromacy



Original Color

34.2767, 0.3827, 0.5343

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.6836, 0.3574, 0.4322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2767, 0.3827, 0.5343 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(135, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 0)  
}
```

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(135, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.2767, 0.3827, 0.5343 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(135, 171, 0) }
```

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

```
.border{ border-color:rgb(135, 171, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2767, 0.3827, 0.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 0) }
```

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

```
.background{ background-color: rgb(135,  
171, 0) }
```

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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