

# Converting Colors

$Yxy(33.1736, 0.3396, 0.4506)$

Have a look what the booklet for  
Yxy(33.1736, 0.3396, 0.4506)  
contains.

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# Color

**Yxy(33.1736, 0.3396, 0.4506)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	82A75D
RGB	130, 167, 93
RGB Percent	51%, 65%, 36%
CMY	0.4902, 0.3451, 0.6352
CMYK	0.22, 0.00, 0.44, 0.35
HSL	90°, 30%, 51%
HSV	90°, 44%, 65%
XYZ	25.0017, 33.1736, 15.4457
YIQ	147.5010, 1.7020, -30.8580

# Conversions

## Conversions Part 2

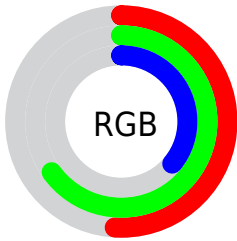
Format	Color
<a href="#">RYB</a>	<a href="#">93, 167, 130</a>
Decimal	<a href="#">8562525</a>
CIELab	<a href="#">64.30, -25.76, 34.14</a>
CIElCh	<a href="#">64, 42.771, 127.033</a>
Yxy	<a href="#">33.1736, 0.3396, 0.4506</a>
Android (android.graphics.Color)	<a href="#">4286752605 (0xFF82A75D)</a>
YUV	<a href="#">147.5010, -26.8690, -15.3484</a>
Hunter-Lab	<a href="#">57.5965, -23.3101, 24.4178</a>

# Details

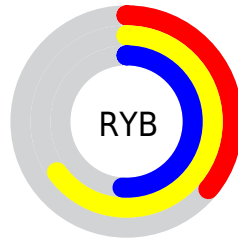
The Yxy color **33.1736, 0.3396, 0.4506** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.3696, 0.2719, 0.2079**, and the grayscale version is **29.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4772, 0.3355, 0.4241**, and **14.1132, 0.3433, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **32.2767, 0.3434, 0.4796**, and if you desaturate by 10%, it is **34.1916, 0.3345, 0.4211**.

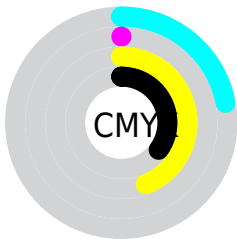
# Distribution



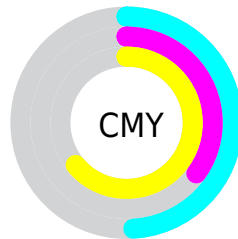
- Red (51%)
- Green (65%)
- Blue (36%)



- Red (36%)
- Yellow (65%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (44%)
- Black (35%)




- Cyan (49%)
- Magenta (35%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1736, 0.3396, 0.4506 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 33.1736, 0.3396, 0.4506 by changing the saturation by 10% instead.



 33.1736, 0.3396,  
0.4506


 33.1736, 0.3396,  
0.4506


316.4313, 0.3277,  
0.3838


 22.2595, 0.3416,  
0.4691


 64.6465, 0.3359,  
0.4249


 14.0477, 0.3432,  
0.4939


 85.9740, 0.3343,  
0.4157

 8.1538, 0.3436,  
0.5283


 111.5414, 0.3329,  
0.4081

 4.1935, 0.3421,  
0.5826

 141.7332, 0.3316,  
0.4017

 1.7824, 0.3296,  
0.6704

176.9337, 0.3305,  
0.3962

 0.4762, 0.0000,  
1.0000

217.5272, 0.3295,

 0.0000, 0.0000,

0.3915

0.0000

263.8983, 0.3286,  
0.3874

■ 33.1736, 0.3396,  
0.4506

■ 33.1736, 0.3396,  
0.4506

■ 32.2767, 0.3434,  
0.4796

■ 34.1916, 0.3345,  
0.4211

■ 31.4912, 0.3456,  
0.5068

■ 35.3315, 0.3286,  
0.3923

■ 30.8122, 0.3458,  
0.5308


■ 36.5994, 0.3222,  
0.3649


■ 30.2331, 0.3438,  
0.5501

■ 37.9999, 0.3156,  
0.3393

■ 29.7458, 0.3398,  
0.5641


■ 39.5372, 0.3090,  
0.3159

 29.4994, 0.3371,  
0.5705

 41.2153, 0.3026,  
0.2947

 43.0380, 0.2965,  
0.2757

 45.0090, 0.2908,  
0.2586

 47.1318, 0.2854,  
0.2434

# Harmonies

## Analogous

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



33.1736, 0.3998, 0.4403



33.1736, 0.3396, 0.4506



33.1736, 0.2754, 0.4163

# Triad

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



33.1736, 0.3396, 0.4506



33.1736, 0.1986, 0.2423



33.1736, 0.4057, 0.3017

# Complementary

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



33.1736, 0.3396, 0.4506



15.3696, 0.2719, 0.2079

# 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.



33.1736, 0.3415, 0.2601



33.1736, 0.3396, 0.4506



33.1736, 0.2248, 0.2261

# Square

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



33.1736, 0.3396, 0.4506



33.1736, 0.1981, 0.2847



33.1736, 0.2749, 0.2332



33.1736, 0.4426, 0.3512



# Rectangle

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



33.1736, 0.3396, 0.4506



33.1736, 0.2391, 0.3735



33.1736, 0.2749, 0.2332



33.1736, 0.3862, 0.2866

# Sweetspot

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



33.1750, 0.3396, 0.4506



65.8012, 0.3215, 0.3620



24.9746, 0.4003, 0.3861



14.6106, 0.3229, 0.3677



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

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



33.1750, 0.3396, 0.4506



57.8555, 0.3433, 0.4787



30.7570, 0.3064, 0.4639



8.5850, 0.3189, 0.3518



22.6018, 0.3378, 0.5700



0.5804, 0.3642, 0.5490



# Inverse Universe

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



15.3696, 0.2719, 0.2079



21.8782, 0.2600, 0.1801



18.8381, 0.3177, 0.2231



7.4779, 0.3061, 0.3062



3.5893, 0.2040, 0.0898



0.1178, 0.2418, 0.1106



# Previews

## White Background



This preview shows how the Yxy color 33.1736, 0.3396, 0.4506 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 33.1736, 0.3396, 0.4506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

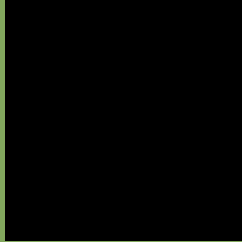
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.1736, 0.3396, 0.4506**

## Background



This preview shows how black text looks on a background with the Yxy color 33.1736, 0.3396, 0.4506.



This preview shows how white text looks on a background with the Yxy color 33.1736, 0.3396, 0.4506.

# 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

33.1736, 0.3396, 0.4506

### Protanopia

33.1561, 0.3914, 0.4257

### Deuteranopia

32.7342, 0.4080, 0.3988



## Tritanopia

33.0567, 0.2858, 0.3092

# Trichromacy



## Original Color

33.1736, 0.3396, 0.4506

## Protanomaly

32.9477, 0.3719, 0.4357

## Deuteranomaly

32.5027, 0.3814, 0.4165

## Tritanomaly

32.7913, 0.3057, 0.3578

# Monochromacy



## Original Color

33.1736, 0.3396, 0.4506

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

30.6639, 0.3236, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  33.1736, 0.3396, 0.4506 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(130, 167, 93)` looks like.

```
.text, #text, p{  
    color:rgb(130, 167, 93)  
}
```

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(130, 167, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 167, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 33.1736, 0.3396, 0.4506 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(130, 167, 93) }
```

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

```
.border{ border-color:rgb(130, 167, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 167, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 167, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 167, 93);  
box-shadow:4px 4px 4px 4px rgb(130, 167,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.1736, 0.3396, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 167, 93) }
```

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

```
.background{ background-color: rgb(130,  
167, 93) }
```

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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