

Converting Colors

$Yxy(35.9369, 0.3270, 0.4465)$

Have a look what the booklet for
Yxy(35.9369, 0.3270, 0.4465)
contains.

Yxy(36.0549, 0.3270, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.0549, 0.3270, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	7EAF66
RGB	126, 175, 102
RGB Percent	49%, 69%, 40%
CMY	0.5058, 0.3137, 0.6000
CMYK	0.28, 0.00, 0.42, 0.31
HSL	100°, 31%, 54%
HSV	100°, 42%, 69%
XYZ	26.3345, 36.0549, 18.1442
YIQ	152.0270, -5.7710, -33.0910

Conversions

Conversions Part 2

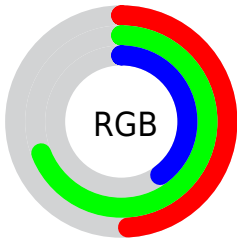
Format	Color
RYB	102, 175, 151
Decimal	8302438
CIELab	66.56, -29.91, 32.29
CIELCh	67, 44.013, 132.808
Yxy	36.0549, 0.3270, 0.4477
Android (android.graphics.Color)	4286492518 (0xFF7EAF66)
YUV	152.0270, -24.6633, -22.8257
Hunter-Lab	60.0457, -26.7946, 24.1162

Details

The Yxy color **36.0549, 0.3270, 0.4477** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.1792, 0.2891, 0.2195**, and the grayscale version is **31.5244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1882, 0.3255, 0.4231**, and **15.6320, 0.3269, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **34.9038, 0.3287, 0.4795**, and if you desaturate by 10%, it is **37.3872, 0.3244, 0.4163**.

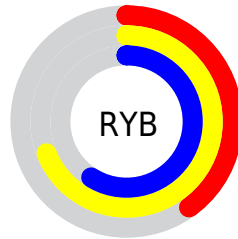
Distribution



Red (49%)

Green (69%)

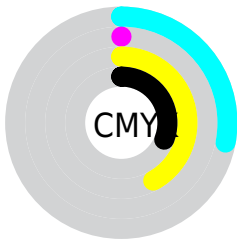
Blue (40%)



Red (40%)

Yellow (69%)

Blue (59%)

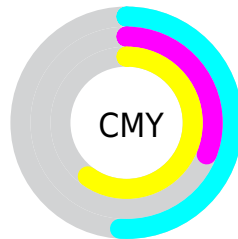


Cyan (28%)

Magenta (0%)

Yellow (42%)

Black (31%)



Cyan (51%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0549, 0.3270, 0.4477 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 36.0549, 0.3270, 0.4477 by changing the saturation by 10% instead.

 36.0549, 0.3270,
0.4477


 36.0549, 0.3270,
0.4477


329.2004, 0.3218,
0.3829


 24.4766, 0.3273,
0.4656


 69.1168, 0.3257,
0.4228


 15.6875, 0.3270,
0.4896

 91.3692, 0.3250,
0.4139

 9.3033, 0.3251,
0.5230


 117.9484, 0.3244,
0.4065

 4.9396, 0.3187,
0.5719

 149.2388, 0.3238,
0.4003

 2.2118, 0.3165,
0.6835

185.6248, 0.3232,
0.3950

 0.7264, 0.0000,
1.0000


227.4908, 0.3227,


 0.0000, 0.0000,


0.3904

0.0000


275.2212, 0.3222,
0.3864


 36.0549, 0.3270,
0.4477


 36.0549, 0.3270,
0.4477


 34.9038, 0.3287,
0.4795


 37.3872, 0.3244,
0.4163


 33.9211, 0.3290,
0.5100


 38.9038, 0.3210,
0.3863


 33.0992, 0.3279,
0.5375


 40.6134, 0.3173,
0.3584

 32.4283, 0.3251,
0.5603


 42.5228, 0.3134,
0.3331

 31.8968, 0.3209,
0.5768


 44.6384, 0.3094,
0.3103

 31.5463, 0.3170,
0.5865

 46.9665, 0.3056,
0.2900

 49.5129, 0.3018,
0.2721

 52.2832, 0.2983,
0.2562

 54.9889, 0.2981,
0.2463

Harmonies

Analogous

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



36.0549, 0.3894, 0.4453



36.0549, 0.3270, 0.4477



36.0549, 0.2640, 0.4051

Triad

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



36.0549, 0.3270, 0.4477



36.0549, 0.2016, 0.2371



36.0549, 0.4157, 0.3108

Complementary

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



36.0549, 0.3270, 0.4477



19.1792, 0.2891, 0.2195

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.



36.0549, 0.3549, 0.2671



36.0549, 0.3270, 0.4477



36.0549, 0.2326, 0.2257

Square

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



36.0549, 0.3270, 0.4477



36.0549, 0.1961, 0.2744



36.0549, 0.2868, 0.2369



36.0549, 0.4453, 0.3610

Rectangle

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



36.0549, 0.3270, 0.4477



36.0549, 0.2303, 0.3598



36.0549, 0.2868, 0.2369



36.0549, 0.3979, 0.2952

Sweetspot

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



36.0565, 0.3270, 0.4477



72.2495, 0.3179, 0.3625



32.1010, 0.3871, 0.3996



15.9061, 0.3187, 0.3684



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.



36.0565, 0.3270, 0.4477



62.6734, 0.3286, 0.4768



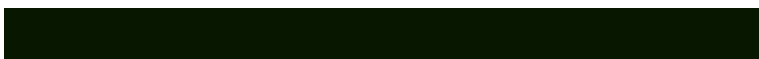
34.7045, 0.2983, 0.4339



9.0625, 0.3164, 0.3521



22.6215, 0.3177, 0.5859



0.6595, 0.3431, 0.5658

Inverse Universe

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



19.1792, 0.2891, 0.2195



28.3596, 0.2820, 0.1952



21.2575, 0.3320, 0.2431



8.0141, 0.3087, 0.3063



4.9816, 0.2406, 0.1099



0.1666, 0.2659, 0.1238

Previews

White Background



This preview shows how the Yxy color 36.0549, 0.3270, 0.4477 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 36.0549, 0.3270, 0.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

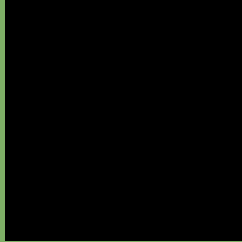
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0549, 0.3270, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 36.0549, 0.3270, 0.4477.



This preview shows how white text looks on a background with the Yxy color 36.0549, 0.3270, 0.4477.

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

36.0549, 0.3270, 0.4477

Protanopia

35.5829, 0.3867, 0.4194

Deuteranopia

35.6421, 0.4008, 0.3918



Tritanopia

35.9304, 0.2779, 0.3096

Trichromacy



Original Color

36.0549, 0.3270, 0.4477

Protanomaly

35.4424, 0.3635, 0.4296

Deuteranomaly

35.2956, 0.3718, 0.4122

Tritanomaly

35.6786, 0.2964, 0.3572

Monochromacy



Original Color

36.0549, 0.3270, 0.4477

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.7025, 0.3194, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0549, 0.3270, 0.4477 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(126, 175, 102)` looks like.

```
.text, #text, p{  
    color:rgb(126, 175, 102)  
}
```

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(126, 175, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 175, 102) }
```

Border

The CSS property to change the border of an element to Yxy 36.0549, 0.3270, 0.4477 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(126, 175, 102) }
```

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

```
.border{ border-color:rgb(126, 175, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 175, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 175, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 175, 102);  
box-shadow:4px 4px 4px 4px rgb(126, 175,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0549, 0.3270, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 175, 102) }
```

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

```
.background{ background-color: rgb(126,  
175, 102) }
```

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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