

Converting Colors

$Yxy(35.7244, 0.3327, 0.4537)$

Have a look what the booklet for
Yxy(35.7244, 0.3327, 0.4537)
contains.

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Color

Yxy(35.7244, 0.3327, 0.4537)

Conversions

Conversions Part 1

Format	Color
Hex	80AE61
RGB	128, 174, 97
RGB Percent	50%, 68%, 38%
CMY	0.4980, 0.3176, 0.6197
CMYK	0.26, 0.00, 0.44, 0.32
HSL	96°, 32%, 53%
HSV	96°, 44%, 68%
XYZ	26.1968, 35.7244, 16.8189
YIQ	151.4680, -2.6990, -33.6990

Conversions

Conversions Part 2

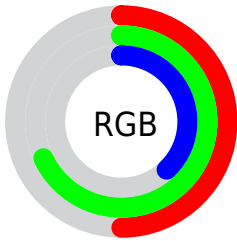
Format	Color
RYB	97, 174, 143
Decimal	8433249
CIELab	66.31, -29.39, 34.60
CIELCh	66, 45.397, 130.342
Yxy	35.7244, 0.3327, 0.4537
Android (android.graphics.Color)	4286623329 (0xFF80AE61)
YUV	151.4680, -26.8527, -20.5814
Hunter-Lab	59.7699, -26.3617, 25.1551

Details

The Yxy color **35.7244, 0.3327, 0.4537** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4386, 0.2804, 0.2105**, and the grayscale version is **31.2782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7086, 0.3300, 0.4278**, and **15.4246, 0.3339, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **34.6713, 0.3351, 0.4843**, and if you desaturate by 10%, it is **36.9343, 0.3292, 0.4229**.

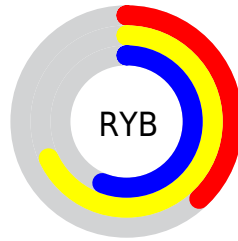
Distribution



Red (50%)

Green (68%)

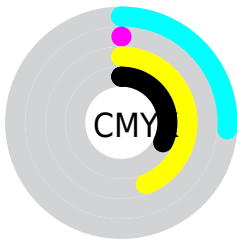
Blue (38%)



Red (38%)

Yellow (68%)

Blue (56%)

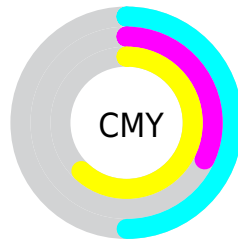


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (32%)



Cyan (50%)

Magenta (32%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7244, 0.3327, 0.4537 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 35.7244, 0.3327, 0.4537 by changing the saturation by 10% instead.


 35.7244, 0.3327,
0.4537


 35.7244, 0.3327,
0.4537


327.7543, 0.3247,
0.3856

 24.2214, 0.3336,
0.4724


 68.6065, 0.3305,
0.4276


 15.4980, 0.3339,
0.4974


 90.7544, 0.3294,
0.4183

 9.1696, 0.3325,
0.5319


 117.2193, 0.3285,
0.4105

 4.8520, 0.3269,
0.5827

 148.3858, 0.3276,
0.4039

 2.1607, 0.3182,
0.6818

184.6381, 0.3268,
0.3983

 0.6984, 0.0000,
1.0000

226.3607, 0.3260,

 0.0000, 0.0000,

0.3935

0.0000

273.9380, 0.3254,
0.3893

■ 35.7244, 0.3327,
0.4537

■ 35.7244, 0.3327,
0.4537

■ 34.6713, 0.3351,
0.4843

■ 36.9343, 0.3292,
0.4229

■ 33.7632, 0.3359,
0.5131

■ 38.3029, 0.3248,
0.3932

■ 32.9937, 0.3350,
0.5386


■ 39.8381, 0.3200,
0.3651

■ 32.3541, 0.3321,
0.5591

■ 41.5457, 0.3149,
0.3393

■ 31.8341, 0.3276,
0.5737


■ 43.4312, 0.3098,
0.3158

 31.5791, 0.3247,
0.5804

 45.5000, 0.3048,
0.2948

 47.7570, 0.3000,
0.2760

 50.2071, 0.2955,
0.2594

 52.8550, 0.2912,
0.2446

Harmonies

Analogous

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



35.7244, 0.3963, 0.4470



35.7244, 0.3327, 0.4537



35.7244, 0.2672, 0.4132

Triad

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



35.7244, 0.3327, 0.4537



35.7244, 0.1968, 0.2363



35.7244, 0.4150, 0.3060

Complementary

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



35.7244, 0.3327, 0.4537



17.4386, 0.2804, 0.2105

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.



35.7244, 0.3503, 0.2620



35.7244, 0.3327, 0.4537



35.7244, 0.2265, 0.2226

Square

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



35.7244, 0.3327, 0.4537



35.7244, 0.1933, 0.2767



35.7244, 0.2805, 0.2324



35.7244, 0.4489, 0.3572

Rectangle

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



35.7244, 0.3327, 0.4537



35.7244, 0.2313, 0.3669



35.7244, 0.2805, 0.2324



35.7244, 0.3958, 0.2901

Sweetspot

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



35.7259, 0.3327, 0.4537



72.5668, 0.3194, 0.3623



29.1807, 0.3964, 0.3951



15.9866, 0.3205, 0.3682



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.



35.7259, 0.3327, 0.4537



62.9472, 0.3350, 0.4833



33.8004, 0.3020, 0.4530



9.0910, 0.3175, 0.3520



22.9368, 0.3255, 0.5797



0.6705, 0.3513, 0.5593

Inverse Universe

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



17.4386, 0.2804, 0.2105



25.5114, 0.2709, 0.1840



20.3564, 0.3254, 0.2304



7.9847, 0.3076, 0.3062



4.3815, 0.2239, 0.1007



0.1527, 0.2537, 0.1171

Previews

White Background



This preview shows how the Yxy color 35.7244, 0.3327, 0.4537 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 35.7244, 0.3327, 0.4537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

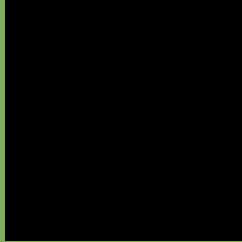
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7244, 0.3327, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 35.7244, 0.3327, 0.4537.



This preview shows how white text looks on a background with the Yxy color 35.7244, 0.3327, 0.4537.

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

35.7244, 0.3327, 0.4537

Protanopia

35.4926, 0.3910, 0.4259

Deuteranopia

35.2111, 0.4062, 0.3969



Tritanopia

35.7001, 0.2802, 0.3096

Trichromacy



Original Color

35.7244, 0.3327, 0.4537

Protanomaly

35.4515, 0.3686, 0.4363

Deuteranomaly

34.9559, 0.3777, 0.4176

Tritanomaly

35.4094, 0.2997, 0.3588

Monochromacy



Original Color

35.7244, 0.3327, 0.4537

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.2746, 0.3223, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7244, 0.3327, 0.4537 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(128, 174, 97)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 97)  
}
```

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(128, 174, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 97) }
```

Border

The CSS property to change the border of an element to Yxy 35.7244, 0.3327, 0.4537 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(128, 174, 97) }
```

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

```
.border{ border-color:rgb(128, 174, 97) }
```

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

Here you see how a box with a 4 pixel rgb(128, 174, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 97);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7244, 0.3327, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 97) }
```

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

```
.background{ background-color: rgb(128,  
174, 97) }
```

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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