

Converting Colors

$Yxy(34.6235, 0.3316, 0.4753)$

Have a look what the booklet for
Yxy(34.6235, 0.3316, 0.4753)
contains.

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Color

Yxy(34.7795, 0.3319, 0.4761)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 76AE55 |
| RGB | 118, 174, 85 |
| RGB Percent | 46%, 68%, 33% |
| CMY | 0.5373, 0.3176, 0.6667 |
| CMYK | 0.32, 0.00, 0.51, 0.32 |
| HSL | 98°, 35%, 51% |
| HSV | 98°, 51%, 68% |
| XYZ | 24.2456, 34.7795, 14.0258 |
| YIQ | 147.1100, -4.8070, -39.5510 |

Conversions

Conversions Part 2

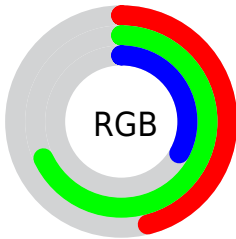
| Format | Color |
|-------------------------------------|--|
| RYB | 85, 174, 141 |
| Decimal | 7777877 |
| CIELab | 65.58, -34.52, 39.64 |
| CIELCh | 66, 52.565, 131.049 |
| Yxy | 34.7795, 0.3319, 0.4761 |
| Android (android.graphics.Color) | 4285967957 (0xFF76AE55) |
| YUV | 147.1100, -30.6202, -25.5295 |
| Hunter-Lab | 58.9741, -29.8195, 27.1810 |

Details

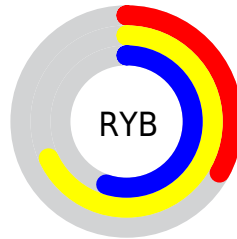
The Yxy color **34.7795, 0.3319, 0.4761** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **15.2132, 0.2772, 0.1928**, and the grayscale version is **29.3554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2840, 0.3307, 0.4446**, and **14.9199, 0.3303, 0.5287** is the 20% darker color. If you saturate the color by 10%, you get **33.8152, 0.3328, 0.5061**, and if you desaturate by 10%, it is **35.9038, 0.3296, 0.4449**.

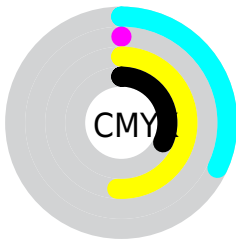
Distribution



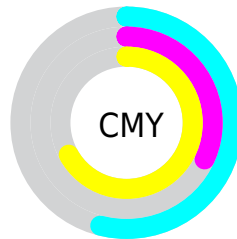
- Red (46%)
- Green (68%)
- Blue (33%)



- Red (33%)
- Yellow (68%)
- Blue (55%)



- Cyan (32%)
- Magenta (0%)
- Yellow (51%)
- Black (32%)




- Cyan (54%)
- Magenta (32%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7795, 0.3319, 0.4761 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 34.7795, 0.3319, 0.4761 by changing the saturation by 10% instead.


 34.7795, 0.3319,
0.4761


 34.7795, 0.3319,
0.4761


323.5940, 0.3254,
0.3952


 23.4931, 0.3319,
0.4984


 67.1440, 0.3306,
0.4450


 14.9580, 0.3305,
0.5281


 88.9909, 0.3298,
0.4338


 8.7899, 0.3258,
0.5687


 115.1268, 0.3289,
0.4246

 4.6044, 0.3190,
0.6378

 145.9360, 0.3281,
0.4168

 2.0171, 0.2830,
0.7170

 181.8029, 0.3274,
0.4102

 0.6174, 0.0000,
1.0000

223.1119, 0.3267,

 0.0000, 0.0000,

0.4045

0.0000

270.2475, 0.3260,
0.3995

■ 34.7795, 0.3319,
0.4761

■ 34.7795, 0.3319,
0.4761

■ 33.8152, 0.3328,
0.5061

■ 35.9038, 0.3296,
0.4449

■ 32.9982, 0.3321,
0.5333

■ 37.1911, 0.3263,
0.4140

■ 32.3211, 0.3297,
0.5559

■ 38.6497, 0.3223,
0.3844

■ 31.7737, 0.3256,
0.5726

■ 40.2861, 0.3178,
0.3569

■ 31.3818, 0.3212,
0.5832

■ 42.1065, 0.3133,
0.3318

■ 44.1167, 0.3087,
0.3091

■ 46.3223, 0.3042,
0.2888

■ 48.7284, 0.2999,
0.2709

■ 51.3403, 0.2959,
0.2550

Harmonies

Analogous

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



34.7795, 0.4056, 0.4657



34.7795, 0.3319, 0.4761



34.7795, 0.2571, 0.4273

Triad

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



34.7795, 0.3319, 0.4761



34.7795, 0.1812, 0.2213



34.7795, 0.4337, 0.3026

Complementary

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



34.7795, 0.3319, 0.4761



15.2132, 0.2772, 0.1928

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.



34.7795, 0.3579, 0.2532



34.7795, 0.3319, 0.4761



34.7795, 0.2149, 0.2077

Square

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



34.7795, 0.3319, 0.4761



34.7795, 0.1762, 0.2654



34.7795, 0.2765, 0.2197



34.7795, 0.4715, 0.3601

Rectangle

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



34.7795, 0.3319, 0.4761



34.7795, 0.2169, 0.3709



34.7795, 0.2765, 0.2197



34.7795, 0.4112, 0.2849

Sweetspot

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



34.7810, 0.3319, 0.4761



71.8116, 0.3197, 0.3679



28.3763, 0.4100, 0.4089



15.8248, 0.3206, 0.3736



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.



34.7810, 0.3319, 0.4761



61.1856, 0.3328, 0.5088



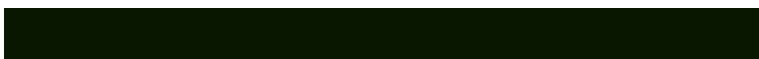
33.0379, 0.2987, 0.4707



9.0786, 0.3170, 0.3520



22.7912, 0.3220, 0.5825



0.6657, 0.3478, 0.5621

Inverse Universe

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



15.2132, 0.2772, 0.1928



21.7925, 0.2668, 0.1651



18.1605, 0.3316, 0.2200



7.9974, 0.3081, 0.3062



4.6315, 0.2311, 0.1047



0.1586, 0.2590, 0.1200

Previews

White Background



This preview shows how the Yxy color 34.7795, 0.3319, 0.4761 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 34.7795, 0.3319, 0.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

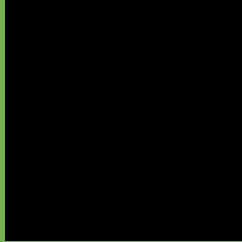
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7795, 0.3319, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 34.7795, 0.3319, 0.4761.



This preview shows how white text looks on a background with the Yxy color 34.7795, 0.3319, 0.4761.

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

34.7795, 0.3319, 0.4761

Protanopia

34.4894, 0.4011, 0.4388

Deuteranopia

34.2260, 0.4169, 0.4083



Tritanopia

34.6308, 0.2743, 0.3092

Trichromacy



Original Color

34.7795, 0.3319, 0.4761

Protanomaly

34.0301, 0.3739, 0.4524

Deuteranomaly

33.6245, 0.3841, 0.4315

Tritanomaly

34.5309, 0.2959, 0.3677

Monochromacy



Original Color

34.7795, 0.3319, 0.4761

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.8034, 0.3219, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7795, 0.3319, 0.4761 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(118, 174, 85)` looks like.

```
.text, #text, p{  
    color:rgb(118, 174, 85)  
}
```

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(118, 174, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 174, 85) }
```

Border

The CSS property to change the border of an element to Yxy 34.7795, 0.3319, 0.4761 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(118, 174, 85) }
```

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

```
.border{ border-color:rgb(118, 174, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 174, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 174, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 174, 85);  
box-shadow:4px 4px 4px 4px rgb(118, 174,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7795, 0.3319, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 174, 85) }
```

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

```
.background{ background-color: rgb(118,  
174, 85) }
```

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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