

Converting Colors

$Yxy(35.5462, 0.3176, 0.4172)$

Have a look what the booklet for
Yxy(35.5462, 0.3176, 0.4172)
contains.

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Color

Yxy(35.4802, 0.3181, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	81AC76
RGB	129, 172, 118
RGB Percent	51%, 67%, 46%
CMY	0.4941, 0.3255, 0.5372
CMYK	0.25, 0.00, 0.31, 0.33
HSL	108°, 25%, 57%
HSV	108°, 31%, 67%
XYZ	27.0783, 35.4802, 22.5667
YIQ	152.9870, -8.2940, -25.9100

Conversions

Conversions Part 2

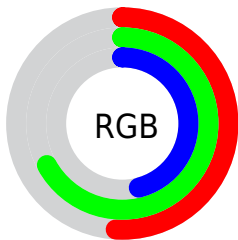
Format	Color
RYB	118, 172, 161
Decimal	8498294
CIELab	66.12, -24.97, 23.23
CIElCh	66, 34.102, 137.066
Yxy	35.4802, 0.3181, 0.4168
Android (android.graphics.Color)	4286688374 (0xFF81AC76)
YUV	152.9870, -17.2486, -21.0366
Hunter-Lab	59.5653, -23.0932, 19.2333

Details

The Yxy color **35.4802, 0.3181, 0.4168** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.5180, 0.3039, 0.2496**, and the grayscale version is **31.9310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4944, 0.3176, 0.3983**, and **15.2430, 0.3175, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **34.1074, 0.3190, 0.4495**, and if you desaturate by 10%, it is **37.0744, 0.3167, 0.3860**.

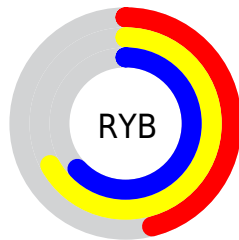
Distribution



Red (51%)

Green (67%)

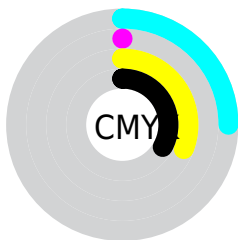
Blue (46%)



Red (46%)

Yellow (67%)

Blue (63%)

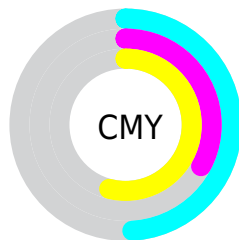


Cyan (25%)

Magenta (0%)

Yellow (31%)

Black (33%)



Cyan (49%)


Magenta (33%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4802, 0.3181, 0.4168 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 35.4802, 0.3181, 0.4168 by changing the saturation by 10% instead.


 35.4802, 0.3181,
0.4168


 35.4802, 0.3181,
0.4168


326.6829, 0.3165,
0.3690

 24.0330, 0.3180,
0.4301


 68.2290, 0.3178,
0.3984

 15.3581, 0.3175,
0.4481


 90.2994, 0.3176,
0.3918

 9.0711, 0.3161,
0.4736


 116.6797, 0.3174,
0.3864

 4.7876, 0.3123,
0.5122

147.7542, 0.3172,
0.3818

 2.1232, 0.3127,
0.5975

183.9074, 0.3170,
0.3779

 0.6776, 0.0485,
0.9515

225.5237, 0.3168,

 0.0000, 0.0000,

0.3745

0.0000

272.9873, 0.3166,
0.3715

■ 35.4802, 0.3181,
0.4168

■ 35.4802, 0.3181,
0.4168

■ 34.1074, 0.3190,
0.4495

■ 37.0744, 0.3167,
0.3860

■ 32.9418, 0.3191,
0.4828

■ 38.8945, 0.3150,
0.3577

■ 31.9743, 0.3183,
0.5150


■ 40.9506, 0.3130,
0.3323

■ 31.1934, 0.3166,
0.5440

■ 43.2510, 0.3109,
0.3097

■ 30.5866, 0.3139,
0.5677

■ 45.8033, 0.3089,
0.2899


 30.1393, 0.3104,
0.5845

 48.6149, 0.3069,
0.2725

 29.8628, 0.3073,
0.5942

 51.6930, 0.3049,
0.2573

 55.0042, 0.3035,
0.2446

 57.4738, 0.3144,
0.2473

Harmonies

Analogous

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



35.4802, 0.3682, 0.4222



35.4802, 0.3181, 0.4168



35.4802, 0.2689, 0.3804

Triad

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



35.4802, 0.3181, 0.4168



35.4802, 0.2260, 0.2538



35.4802, 0.3978, 0.3213

Complementary

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



35.4802, 0.3181, 0.4168



23.5180, 0.3039, 0.2496

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.



35.4802, 0.3536, 0.2842



35.4802, 0.3181, 0.4168



35.4802, 0.2545, 0.2463

Square

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



35.4802, 0.3181, 0.4168



35.4802, 0.2185, 0.2819



35.4802, 0.3003, 0.2575



35.4802, 0.4169, 0.3625

Rectangle

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



35.4802, 0.3181, 0.4168



35.4802, 0.2431, 0.3458



35.4802, 0.3003, 0.2575



35.4802, 0.3852, 0.3082

Sweetspot

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



35.4817, 0.3181, 0.4168



71.3520, 0.3145, 0.3518



35.3264, 0.3638, 0.3905



15.3964, 0.3148, 0.3556



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.



35.4817, 0.3181, 0.4168



62.5119, 0.3188, 0.4405



35.0601, 0.2968, 0.3930



9.0150, 0.3146, 0.3522



22.2424, 0.3079, 0.5938



0.6410, 0.3280, 0.5778

Inverse Universe

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



23.5180, 0.3039, 0.2496



37.1759, 0.3011, 0.2308



24.1567, 0.3336, 0.2727



8.0645, 0.3106, 0.3064



6.1958, 0.2706, 0.1265



0.1929, 0.2868, 0.1354

Previews

White Background



This preview shows how the Yxy color 35.4802, 0.3181, 0.4168 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 35.4802, 0.3181, 0.4168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

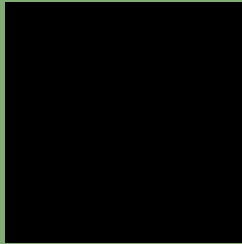
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4802, 0.3181, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 35.4802, 0.3181, 0.4168.



This preview shows how white text looks on a background with the Yxy color 35.4802, 0.3181, 0.4168.

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

35.4802, 0.3181, 0.4168

Protanopia

35.2181, 0.3696, 0.3971

Deuteranopia

35.2077, 0.3796, 0.3732



Tritanopia

35.2542, 0.2792, 0.3080

Trichromacy



Original Color

35.4802, 0.3181, 0.4168

Protanomaly

34.9568, 0.3496, 0.4036

Deuteranomaly

35.0857, 0.3555, 0.3882

Tritanomaly

35.1886, 0.2932, 0.3461

Monochromacy



Original Color

35.4802, 0.3181, 0.4168

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9644, 0.3151, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4802, 0.3181, 0.4168 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(129, 172, 118)` looks like.

```
.text, #text, p{  
    color:rgb(129, 172, 118)  
}
```

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(129, 172, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 172, 118) }
```

Border

The CSS property to change the border of an element to Yxy 35.4802, 0.3181, 0.4168 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(129, 172, 118) }
```

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

```
.border{ border-color:rgb(129, 172, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 172, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 172, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 172, 118);  
box-shadow:4px 4px 4px 4px rgb(129, 172,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4802, 0.3181, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 172, 118) }
```

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

```
.background{ background-color: rgb(129,  
172, 118) }
```

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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