

Converting Colors

$Y_{xy}(35.0541, 0.3652, 0.4495)$

Have a look what the booklet for
Yxy(35.0541, 0.3652, 0.4495)
contains.

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Color

Yxy(35.0174, 0.3656, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	98A758
RGB	152, 167, 88
RGB Percent	60%, 65%, 35%
CMY	0.4039, 0.3451, 0.6548
CMYK	0.09, 0.00, 0.47, 0.35
HSL	71°, 31%, 50%
HSV	71°, 47%, 65%
XYZ	28.5321, 35.0174, 14.4924
YIQ	153.5090, 16.4190, -27.7490

Conversions

Conversions Part 2

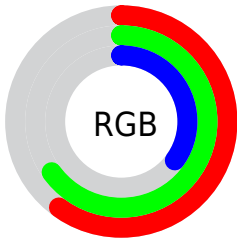
Format	Color
RYB	88, 167, 103
Decimal	10004312
CIELab	65.76, -17.64, 38.85
CIELCh	66, 42.670, 114.414
Yxy	35.0174, 0.3656, 0.4487
Android (android.graphics.Color)	4288194392 (0xFF98A758)
YUV	153.5090, -32.2959, -1.3234
Hunter-Lab	59.1755, -17.4914, 26.9024

Details

The Yxy color **35.0174, 0.3656, 0.4487** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **12.6572, 0.2402, 0.1893**, and the grayscale version is **32.2299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5459, 0.3571, 0.4241**, and **15.0606, 0.3766, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **34.4714, 0.3743, 0.4720**, and if you desaturate by 10%, it is **35.6381, 0.3555, 0.4236**.

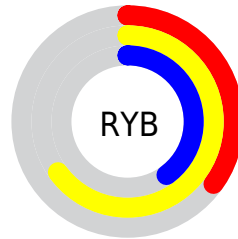
Distribution



Red (60%)

Green (65%)

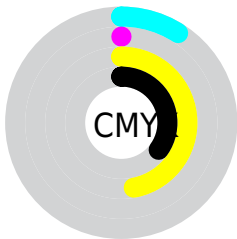
Blue (35%)



Red (35%)

Yellow (65%)

Blue (40%)

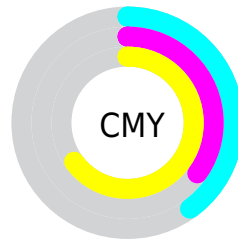


Cyan (9%)

Magenta (0%)

Yellow (47%)

Black (35%)



Cyan (40%)


Magenta (35%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0174, 0.3656, 0.4487 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 35.0174, 0.3656, 0.4487 by changing the saturation by 10% instead.


 35.0174, 0.3656,
0.4487

 35.0174, 0.3656,
0.4487


324.6451, 0.3403,
0.3849

 23.6763, 0.3710,
0.4655


 67.5127, 0.3570,
0.4248

 15.0937, 0.3770,
0.4871


 89.4357, 0.3535,
0.4160

 8.8851, 0.3830,
0.5159


 115.6548, 0.3506,
0.4086

 4.6663, 0.3917,
0.5615

 146.5543, 0.3480,
0.4024

 2.0529, 0.3859,
0.6141

 182.5187, 0.3457,
0.3971

 0.6379, 0.2160,
0.7840

223.9324, 0.3437,

 0.0000, 0.0000,

0.3925

0.0000

271.1797, 0.3419,
0.3884

■ 35.0174, 0.3656,
0.4487

■ 35.0174, 0.3656,
0.4487

■ 34.4714, 0.3743,
0.4720

■ 35.6381, 0.3555,
0.4236

■ 33.9910, 0.3809,
0.4924

■ 36.3328, 0.3443,
0.3976

■ 33.5727, 0.3853,
0.5091

■ 37.1068, 0.3328,
0.3717

■ 33.2106, 0.3871,
0.5213

■ 37.9636, 0.3211,
0.3466

■ 32.8959, 0.3867,
0.5294

■ 38.9064, 0.3097,
0.3227

■ 32.8143, 0.3864,
0.5314

■ 39.9382, 0.2987,
0.3003

■ 41.0619, 0.2883,
0.2797

■ 42.2803, 0.2787,
0.2609

■ 43.5959, 0.2697,
0.2438

Harmonies

Analogous

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



35.0174, 0.4179, 0.4245



35.0174, 0.3656, 0.4487



35.0174, 0.3021, 0.4338

Triad

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



35.0174, 0.3656, 0.4487



35.0174, 0.1972, 0.2584



35.0174, 0.3793, 0.2837

Complementary

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



35.0174, 0.3656, 0.4487



12.6572, 0.2402, 0.1893

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.



35.0174, 0.3125, 0.2481



35.0174, 0.3656, 0.4487



35.0174, 0.2125, 0.2317

Square

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



35.0174, 0.3656, 0.4487



35.0174, 0.2079, 0.3105



35.0174, 0.2524, 0.2293



35.0174, 0.4293, 0.3300

Rectangle

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



35.0174, 0.3656, 0.4487



35.0174, 0.2621, 0.4001



35.0174, 0.2524, 0.2293



35.0174, 0.3577, 0.2703

Sweetspot

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



35.0190, 0.3656, 0.4487



66.9073, 0.3292, 0.3640



18.5221, 0.4274, 0.3518



14.9031, 0.3316, 0.3693



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.



35.0190, 0.3656, 0.4487



61.6694, 0.3748, 0.4736



31.8548, 0.3271, 0.4653



8.7008, 0.3234, 0.3515



25.1303, 0.3867, 0.5311



0.6294, 0.3982, 0.5220

Inverse Universe

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



12.6572, 0.2402, 0.1893



16.6181, 0.2200, 0.1542



15.5232, 0.2861, 0.2054



7.3665, 0.3014, 0.3059



2.3826, 0.1601, 0.0656



0.0769, 0.1894, 0.0817

Previews

White Background



This preview shows how the Yxy color 35.0174, 0.3656, 0.4487 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 35.0174, 0.3656, 0.4487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

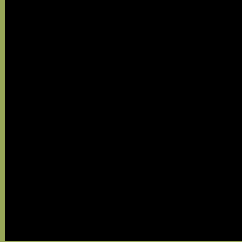
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0174, 0.3656, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 35.0174, 0.3656, 0.4487.



This preview shows how white text looks on a background with the Yxy color 35.0174, 0.3656, 0.4487.

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

35.0174, 0.3656, 0.4487

Protanopia

35.0276, 0.3974, 0.4335

Deuteranopia

34.6985, 0.4163, 0.4079



Tritanopia

35.0374, 0.3059, 0.3117

Trichromacy



Original Color

35.0174, 0.3656, 0.4487

Protanomaly

35.0818, 0.3851, 0.4399

Deuteranomaly

34.4530, 0.3976, 0.4211

Tritanomaly

34.6523, 0.3287, 0.3607

Monochromacy



Original Color

35.0174, 0.3656, 0.4487

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.1803, 0.3333, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0174, 0.3656, 0.4487 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(152, 167, 88)` looks like.

```
.text, #text, p{  
    color:rgb(152, 167, 88)  
}
```

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(152, 167, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 167, 88) }
```

Border

The CSS property to change the border of an element to Yxy 35.0174, 0.3656, 0.4487 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(152, 167, 88) }
```

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

```
.border{ border-color:rgb(152, 167, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 167, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 167, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 167, 88);  
box-shadow:4px 4px 4px 4px rgb(152, 167,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0174, 0.3656, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 167, 88) }
```

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

```
.background{ background-color: rgb(152,  
167, 88) }
```

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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