

Converting Colors

$Y_{xy}(35.7442, 0.3586, 0.4430)$

Have a look what the booklet for
Yxy(35.7442, 0.3586, 0.4430)
contains.

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Color

Yxy(35.7634, 0.3590, 0.4432)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 97A95E |
| RGB | 151, 169, 94 |
| RGB Percent | 59%, 66%, 37% |
| CMY | 0.4079, 0.3372, 0.6314 |
| CMYK | 0.11, 0.00, 0.44, 0.34 |
| HSL | 74°, 30%, 52% |
| HSV | 74°, 44%, 66% |
| XYZ | 28.9690, 35.7634, 15.9612 |
| YIQ | 155.0680, 13.3470, -27.1410 |

Conversions

Conversions Part 2

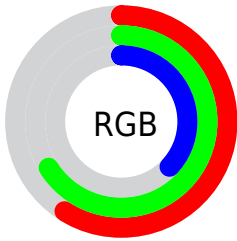
| Format | Color |
|-------------------------------------|---|
| RYB | 94, 169, 112 |
| Decimal | 9939294 |
| CIELab | 66.34, -18.42, 36.51 |
| CIELCh | 66, 40.893, 116.774 |
| Yxy | 35.7634, 0.3590, 0.4432 |
| Android (android.graphics.Color) | 4288129374 (0xFF97A95E) |
| YUV | 155.0680, -30.1065, -3.5676 |
| Hunter-Lab | 59.8025, -18.1870, 26.0374 |

Details

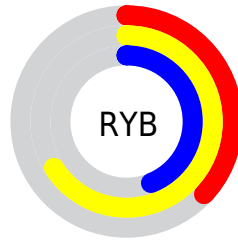
The Yxy color **35.7634, 0.3590, 0.4432** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3117, 0.2495, 0.2001**, and the grayscale version is **32.9409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5084, 0.3511, 0.4198**, and **15.5647, 0.3698, 0.4804** is the 20% darker color. If you saturate the color by 10%, you get **35.1125, 0.3672, 0.4680**, and if you desaturate by 10%, it is **36.4973, 0.3494, 0.4170**.

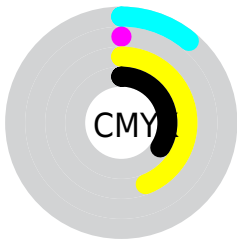
Distribution



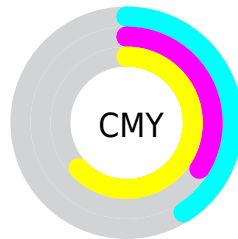
- Red (59%)
- Green (66%)
- Blue (37%)



- Red (37%)
- Yellow (66%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (44%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7634, 0.3590, 0.4432 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 35.7634, 0.3590, 0.4432 by changing the saturation by 10% instead.


 35.7634, 0.3590,
0.4432


 35.7634, 0.3590,
0.4432


327.9252, 0.3369,
0.3822


 24.2515, 0.3637,
0.4593


 68.6667, 0.3515,
0.4203


 15.5203, 0.3690,
0.4804


 90.8270, 0.3485,
0.4119

 9.1854, 0.3744,
0.5087

 117.3054, 0.3459,
0.4049

 4.8623, 0.3798,
0.5498

 148.4865, 0.3436,
0.3989

 2.1667, 0.3832,
0.6168

184.7547, 0.3416,
0.3939

 0.7017, 0.2364,
0.7636

226.4942, 0.3399,

 0.0000, 0.0000,

0.3895

0.0000

274.0896, 0.3383,
0.3856

■ 35.7634, 0.3590,
0.4432

■ 35.7634, 0.3590,
0.4432

■ 35.1125, 0.3672,
0.4680

■ 36.4973, 0.3494,
0.4170

■ 34.5353, 0.3736,
0.4903

■ 37.3135, 0.3390,
0.3905

■ 34.0283, 0.3778,
0.5092


■ 38.2174, 0.3282,
0.3645


■ 33.5858, 0.3795,
0.5238

■ 39.2126, 0.3174,
0.3395


■ 33.2008, 0.3787,
0.5338


■ 40.3023, 0.3068,
0.3160

 33.0008, 0.3777,
0.5383

 41.4898, 0.2968,
0.2943

 42.7781, 0.2872,
0.2743

 44.1699, 0.2784,
0.2562

 45.6680, 0.2701,
0.2397

Harmonies

Analogous

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



35.7634, 0.4101, 0.4232



35.7634, 0.3590, 0.4432



35.7634, 0.2982, 0.4252

Triad

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



35.7634, 0.3590, 0.4432



35.7634, 0.2024, 0.2589



35.7634, 0.3808, 0.2890

Complementary

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



35.7634, 0.3590, 0.4432



14.3117, 0.2495, 0.2001

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.



35.7634, 0.3177, 0.2536



35.7634, 0.3590, 0.4432



35.7634, 0.2190, 0.2349

Square

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



35.7634, 0.3590, 0.4432



35.7634, 0.2108, 0.3071



35.7634, 0.2591, 0.2342



35.7634, 0.4261, 0.3342

Rectangle

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



35.7634, 0.3590, 0.4432



35.7634, 0.2606, 0.3918



35.7634, 0.2591, 0.2342



35.7634, 0.3606, 0.2758

Sweetspot

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



35.7650, 0.3590, 0.4432



68.6368, 0.3269, 0.3615



20.7193, 0.4148, 0.3563



14.8808, 0.3293, 0.3670



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.



35.7650, 0.3590, 0.4432



62.9275, 0.3669, 0.4669



32.7631, 0.3233, 0.4576



8.6817, 0.3227, 0.3516



24.6185, 0.3781, 0.5379



0.6204, 0.3926, 0.5265

Inverse Universe

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



14.3117, 0.2495, 0.2001



19.6687, 0.2325, 0.1691



17.2567, 0.2928, 0.2145



7.3843, 0.3022, 0.3059



2.5013, 0.1648, 0.0682



0.0836, 0.1988, 0.0869

Previews

White Background



This preview shows how the Yxy color 35.7634, 0.3590, 0.4432 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 35.7634, 0.3590, 0.4432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

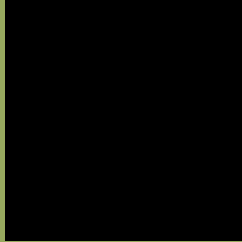
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7634, 0.3590, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 35.7634, 0.3590, 0.4432.



This preview shows how white text looks on a background with the Yxy color 35.7634, 0.3590, 0.4432.

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

35.7634, 0.3590, 0.4432

Protanopia

35.5922, 0.3929, 0.4268

Deuteranopia

35.5951, 0.4104, 0.4028



Tritanopia

35.7358, 0.3023, 0.3104

Trichromacy



Original Color

35.7634, 0.3590, 0.4432

Protanomaly

35.6485, 0.3807, 0.4328

Deuteranomaly

35.2430, 0.3911, 0.4158

Tritanomaly

35.3761, 0.3238, 0.3576

Monochromacy



Original Color

35.7634, 0.3590, 0.4432

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7051, 0.3313, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7634, 0.3590, 0.4432 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(151, 169, 94)` looks like.

```
.text, #text, p{  
    color:rgb(151, 169, 94)  
}
```

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(151, 169, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 169, 94) }
```

Border

The CSS property to change the border of an element to Yxy 35.7634, 0.3590, 0.4432 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(151, 169, 94) }
```

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

```
.border{ border-color:rgb(151, 169, 94) }
```

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

Here you see how a box with a 4 pixel rgb(151, 169, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 169, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 169, 94);  
box-shadow:4px 4px 4px 4px rgb(151, 169,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7634, 0.3590, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 169, 94) }
```

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

```
.background{ background-color: rgb(151,  
169, 94) }
```

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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