

Converting Colors

$Y_{xy}(35.8141, 0.3785, 0.4891)$

Have a look what the booklet for
Yxy(35.8141, 0.3785, 0.4891)
contains.

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Color

Yxy(35.8416, 0.3787, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	95AB3C
RGB	149, 171, 60
RGB Percent	58%, 67%, 24%
CMY	0.4156, 0.3294, 0.7648
CMYK	0.13, 0.00, 0.65, 0.33
HSL	72°, 48%, 45%
HSV	72°, 65%, 67%
XYZ	27.7741, 35.8416, 9.7250
YIQ	151.7680, 22.5190, -39.1850

Conversions

Conversions Part 2

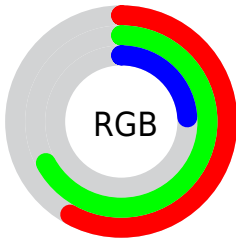
Format	Color
RYB	60, 171, 82
Decimal	9808700
CIELab	66.40, -23.37, 52.67
CIELCh	66, 57.619, 113.930
Yxy	35.8416, 0.3787, 0.4887
Android (android.graphics.Color)	4287998780 (0xFF95AB3C)
YUV	151.7680, -45.2416, -2.4275
Hunter-Lab	59.8679, -21.9583, 32.2764

Details

The Yxy color **35.8416, 0.3787, 0.4887** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9613, 0.2080, 0.1331**, and the grayscale version is **31.4861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5641, 0.3694, 0.4575**, and **15.6265, 0.3854, 0.5322** is the 20% darker color. If you saturate the color by 10%, you get **35.3768, 0.3835, 0.5065**, and if you desaturate by 10%, it is **36.3774, 0.3717, 0.4673**.

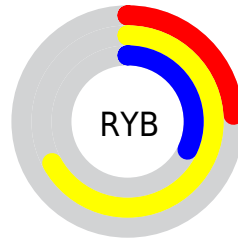
Distribution



Red (58%)

Green (67%)

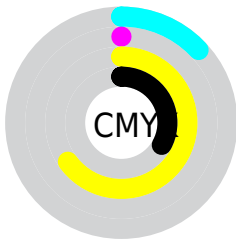
Blue (24%)



Red (24%)

Yellow (67%)

Blue (32%)

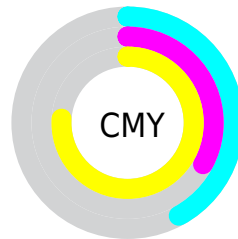


Cyan (13%)

Magenta (0%)

Yellow (65%)

Black (33%)



Cyan (42%)


Magenta (33%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8416, 0.3787, 0.4887 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 35.8416, 0.3787, 0.4887 by changing the saturation by 10% instead.


 35.8416, 0.3787,
0.4887

 35.8416, 0.3787,
0.4887


328.2677, 0.3496,
0.4048


 24.3119, 0.3834,
0.5095


 68.7875, 0.3697,
0.4580


 15.5651, 0.3873,
0.5352


 90.9725, 0.3658,
0.4464


 9.2170, 0.3888,
0.5677


 117.4780, 0.3623,
0.4367

 4.8830, 0.3867,
0.6133

 148.6885, 0.3592,
0.4284

 2.1788, 0.3543,
0.6457

 184.9883, 0.3564,
0.4213

 0.7084, 0.1267,
0.8733

226.7618, 0.3539,

 0.0000, 0.0000,

0.4151

0.0000

274.3935, 0.3516,
0.4096

■ 35.8416, 0.3787,
0.4887

■ 35.8416, 0.3787,
0.4887

■ 35.3768, 0.3835,
0.5065

■ 36.3774, 0.3717,
0.4673

■ 34.9721, 0.3857,
0.5199

■ 36.9843, 0.3628,
0.4434

■ 34.6218, 0.3855,
0.5289

■ 37.6688, 0.3525,
0.4178

■ 34.4563, 0.3849,
0.5326

■ 38.4349, 0.3413,
0.3916

■ 39.2866, 0.3298,
0.3658

■ 40.2274, 0.3183,
0.3408

■ 41.2607, 0.3071,
0.3172

■ 42.3898, 0.2963,
0.2953

■ 43.6175, 0.2862,
0.2751

Harmonies

Analogous

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



35.8416, 0.4482, 0.4481



35.8416, 0.3787, 0.4887



35.8416, 0.2964, 0.4754

Triad

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



35.8416, 0.3787, 0.4887



35.8416, 0.1654, 0.2352



35.8416, 0.3998, 0.2686

Complementary

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



35.8416, 0.3787, 0.4887



7.9613, 0.2080, 0.1331

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.



35.8416, 0.3094, 0.2249



35.8416, 0.3787, 0.4887



35.8416, 0.1837, 0.2036

Square

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



35.8416, 0.3787, 0.4887



35.8416, 0.1776, 0.3024



35.8416, 0.2322, 0.2018



35.8416, 0.4681, 0.3253

Rectangle

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



35.8416, 0.3787, 0.4887



35.8416, 0.2450, 0.4286



35.8416, 0.2322, 0.2018



35.8416, 0.3701, 0.2521

Sweetspot

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



35.8432, 0.3787, 0.4887



69.6673, 0.3349, 0.3771



14.7696, 0.4963, 0.3575



15.4421, 0.3381, 0.3843



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.



35.8432, 0.3787, 0.4887



63.0211, 0.3848, 0.5130



31.8924, 0.3277, 0.5197



9.2489, 0.3233, 0.3516



25.9966, 0.3853, 0.5323



0.7433, 0.3962, 0.5236

Inverse Universe

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



7.9613, 0.2080, 0.1331



9.2889, 0.1839, 0.0958



11.3903, 0.2720, 0.1622



7.8308, 0.3015, 0.3058



2.4895, 0.1608, 0.0659



0.0910, 0.1890, 0.0815

Previews

White Background



This preview shows how the Yxy color 35.8416, 0.3787, 0.4887 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 35.8416, 0.3787, 0.4887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

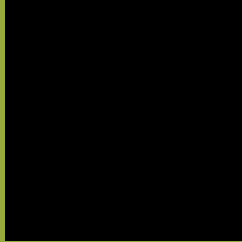
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8416, 0.3787, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 35.8416, 0.3787, 0.4887.



This preview shows how white text looks on a background with the Yxy color 35.8416, 0.3787, 0.4887.

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

35.8416, 0.3787, 0.4887

Protanopia

35.4884, 0.4206, 0.4620

Deuteranopia

35.4552, 0.4428, 0.4338



Tritanopia

35.7358, 0.3023, 0.3104

Trichromacy



Original Color

35.8416, 0.3787, 0.4887

Protanomaly

35.6508, 0.4050, 0.4722

Deuteranomaly

35.3355, 0.4182, 0.4539

Tritanomaly

35.3850, 0.3344, 0.3775

Monochromacy



Original Color

35.8416, 0.3787, 0.4887

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.7075, 0.3414, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8416, 0.3787, 0.4887 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(149, 171, 60)` looks like.

```
.text, #text, p{  
    color:rgb(149, 171, 60)  
}
```

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(149, 171, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 171, 60) }
```

Border

The CSS property to change the border of an element to Yxy 35.8416, 0.3787, 0.4887 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(149, 171, 60) }
```

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

```
.border{ border-color:rgb(149, 171, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 171, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 171, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 171, 60);  
box-shadow:4px 4px 4px 4px rgb(149, 171,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8416, 0.3787, 0.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 171, 60) }
```

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

```
.background{ background-color: rgb(149,  
171, 60) }
```

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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