

Converting Colors

$Y_{xy}(39.7745, 0.3682, 0.4915)$

Have a look what the booklet for
Yxy(39.7745, 0.3682, 0.4915)
contains.

Yxy(39.7489, 0.3677, 0.4913)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7489, 0.3677, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	94B543
RGB	148, 181, 67
RGB Percent	58%, 71%, 26%
CMY	0.4196, 0.2902, 0.7374
CMYK	0.18, 0.00, 0.63, 0.29
HSL	77°, 46%, 49%
HSV	77°, 63%, 71%
XYZ	29.7490, 39.7489, 11.4077
YIQ	158.1370, 16.9260, -42.4500

Conversions

Conversions Part 2

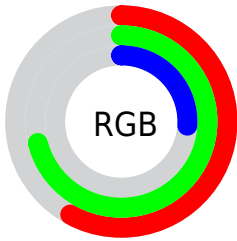
Format	Color
RYB	67, 181, 100
Decimal	9745731
CIELab	69.29, -28.15, 52.77
CIELCh	69, 59.807, 118.079
Yxy	39.7489, 0.3677, 0.4913
Android (android.graphics.Color)	4287935811 (0xFF94B543)
YUV	158.1370, -44.9305, -8.8901
Hunter-Lab	63.0467, -26.1055, 33.4048

Details

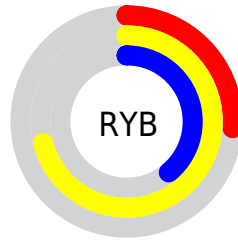
The Yxy color **39.7489, 0.3677, 0.4913** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **10.0532, 0.2213, 0.1426**, and the grayscale version is **34.4588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7618, 0.3606, 0.4602**, and **17.8268, 0.3735, 0.5388** is the 20% darker color. If you saturate the color by 10%, you get **39.0890, 0.3713, 0.5117**, and if you desaturate by 10%, it is **40.5024, 0.3619, 0.4676**.

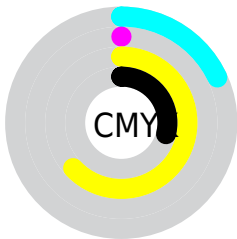
Distribution



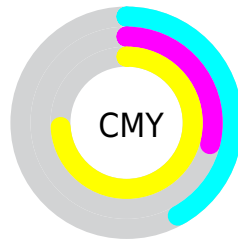
- Red (58%)
- Green (71%)
- Blue (26%)



- Red (26%)
- Yellow (71%)
- Blue (39%)



- Cyan (18%)
- Magenta (0%)
- Yellow (63%)
- Black (29%)





- Cyan (42%)
- Magenta (29%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7489, 0.3677, 0.4913 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 39.7489, 0.3677, 0.4913 by changing the saturation by 10% instead.


 39.7489, 0.3677,
0.4913


 39.7489, 0.3677,
0.4913


345.0641, 0.3447,
0.4064

 27.3428, 0.3710,
0.5124


 74.7810, 0.3610,
0.4602


 17.8309, 0.3733,
0.5388


 98.1758, 0.3579,
0.4485

 10.8286, 0.3728,
0.5718


 126.0023, 0.3551,
0.4387

 5.9517, 0.3733,
0.6267

 158.6449, 0.3526,
0.4303

 2.8157, 0.3397,
0.6603

 196.4880, 0.3503,
0.4231

 1.0363, 0.2189,
0.7811

239.9159, 0.3483,

 0.0000, 0.0000,

0.4168

0.0000

289.3132, 0.3464,
0.4113

■ 39.7489, 0.3677,
0.4913

■ 39.7489, 0.3677,
0.4913

■ 39.0890, 0.3713,
0.5117

■ 40.5024, 0.3619,
0.4676

■ 38.5104, 0.3724,
0.5278

■ 41.3500, 0.3543,
0.4416

■ 38.0068, 0.3711,
0.5392

■ 42.2991, 0.3454,
0.4146

■ 37.6876, 0.3691,
0.5451

■ 43.3545, 0.3358,
0.3875

■ 44.5207, 0.3257,
0.3612

■ 45.8022, 0.3157,
0.3362

■ 47.2028, 0.3059,
0.3129

■ 48.7265, 0.2965,
0.2914

■ 50.3767, 0.2877,
0.2717

Harmonies

Analogous

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



39.7489, 0.4404, 0.4558



39.7489, 0.3677, 0.4913



39.7489, 0.2850, 0.4683

Triad

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



39.7489, 0.3677, 0.4913



39.7489, 0.1658, 0.2285



39.7489, 0.4117, 0.2757

Complementary

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



39.7489, 0.3677, 0.4913



10.0532, 0.2213, 0.1426

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.



39.7489, 0.3218, 0.2297



39.7489, 0.3677, 0.4913



39.7489, 0.1883, 0.2014

Square

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



39.7489, 0.3677, 0.4913



39.7489, 0.1737, 0.2908



39.7489, 0.2412, 0.2033



39.7489, 0.4743, 0.3337

Rectangle

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



39.7489, 0.3677, 0.4913



39.7489, 0.2352, 0.4163



39.7489, 0.2412, 0.2033



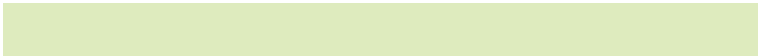
39.7489, 0.3828, 0.2586

Sweetspot

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



39.7507, 0.3677, 0.4913



78.3891, 0.3321, 0.3777



19.2046, 0.4770, 0.3731



16.8188, 0.3349, 0.3852



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7507, 0.3677, 0.4913



69.5441, 0.3721, 0.5191



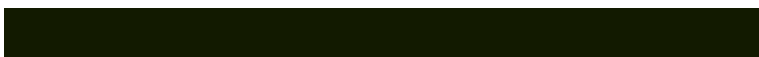
35.7129, 0.3192, 0.5200



9.7807, 0.3220, 0.3518



26.0162, 0.3698, 0.5446



0.8466, 0.3842, 0.5331

Inverse Universe

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



10.0532, 0.2213, 0.1426



12.0149, 0.1977, 0.1054



14.4434, 0.2878, 0.1724



8.3453, 0.3028, 0.3058



2.8415, 0.1701, 0.0711



0.1200, 0.2024, 0.0889

Previews

White Background



This preview shows how the Yxy color 39.7489, 0.3677, 0.4913 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 39.7489, 0.3677, 0.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

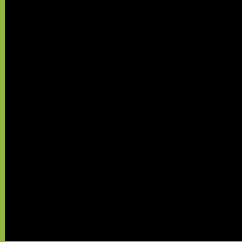
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7489, 0.3677, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 39.7489, 0.3677, 0.4913.



This preview shows how white text looks on a background with the Yxy color 39.7489, 0.3677, 0.4913.

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

39.7489, 0.3677, 0.4913

Protanopia

39.4375, 0.4176, 0.4593

Deuteranopia

39.1780, 0.4403, 0.4305



Tritanopia

39.3719, 0.2942, 0.3095

Trichromacy



Original Color

39.7489, 0.3677, 0.4913

Protanomaly

39.1530, 0.3987, 0.4712

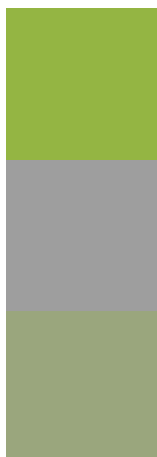
Deuteranomaly

39.0250, 0.4130, 0.4523

Tritanomaly

38.8781, 0.3240, 0.3764

Monochromacy



Original Color

39.7489, 0.3677, 0.4913

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.6231, 0.3372, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7489, 0.3677, 0.4913 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(148, 181, 67)` looks like.

```
.text, #text, p{  
    color:rgb(148, 181, 67)  
}
```

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(148, 181, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 181, 67) }
```

Border

The CSS property to change the border of an element to Yxy 39.7489, 0.3677, 0.4913 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(148, 181, 67) }
```

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

```
.border{ border-color:rgb(148, 181, 67) }
```

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

Here you see how a box with a 4 pixel rgb(148, 181, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 181, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 181, 67);  
box-shadow:4px 4px 4px 4px rgb(148, 181,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7489, 0.3677, 0.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 181, 67) }
```

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

```
.background{ background-color: rgb(148,  
181, 67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor