

Converting Colors

$Yxy(40.8849, 0.3572, 0.4536)$

Have a look what the booklet for
Yxy(40.8849, 0.3572, 0.4536)
contains.

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Color

Yxy(40.8425, 0.3569, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	9BB55F
RGB	155, 181, 95
RGB Percent	61%, 71%, 37%
CMY	0.3921, 0.2902, 0.6275
CMYK	0.14, 0.00, 0.48, 0.29
HSL	78°, 37%, 54%
HSV	78°, 48%, 71%
XYZ	32.1072, 40.8425, 17.0117
YIQ	163.4220, 12.1100, -32.2580

Conversions

Conversions Part 2

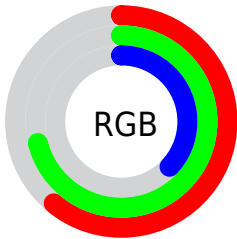
Format	Color
RYB	95, 181, 121
Decimal	10204511
CIELab	70.07, -22.75, 40.67
CIELCh	70, 46.599, 119.220
Yxy	40.8425, 0.3569, 0.4540
Android (android.graphics.Color)	4288394591 (0xFF9BB55F)
YUV	163.4220, -33.7320, -7.3861
Hunter-Lab	63.9081, -22.1614, 28.9533

Details

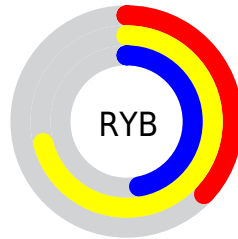
The Yxy color **40.8425, 0.3569, 0.4540** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.5797, 0.2491, 0.1911**, and the grayscale version is **36.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5238, 0.3506, 0.4299**, and **18.4526, 0.3651, 0.4927** is the 20% darker color. If you saturate the color by 10%, you get **40.0236, 0.3635, 0.4793**, and if you desaturate by 10%, it is **41.7661, 0.3488, 0.4271**.

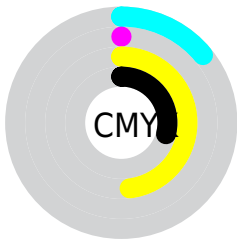
Distribution



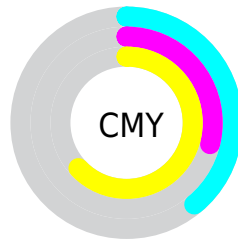
- Red (61%)
- Green (71%)
- Blue (37%)



- Red (37%)
- Yellow (71%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)




- Cyan (39%)
- Magenta (29%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8425, 0.3569, 0.4540 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 40.8425, 0.3569, 0.4540 by changing the saturation by 10% instead.

 40.8425, 0.3569,
0.4540


 40.8425, 0.3569,
0.4540


349.6619, 0.3369,
0.3884


 28.1960, 0.3607,
0.4709


 76.4447, 0.3504,
0.4296

 18.4735, 0.3648,
0.4927


 100.1693, 0.3477,
0.4206

 11.2905, 0.3683,
0.5213


 128.3554, 0.3453,
0.4131

 6.2626, 0.3697,
0.5604

 161.3873, 0.3433,
0.4066

 3.0054, 0.3716,
0.6284

199.6496, 0.3414,
0.4011

 1.1345, 0.3075,
0.6925

243.5265, 0.3397,

 0.0072, 0.0000,

0.3963

1.0000

293.4025, 0.3383,
0.3921

■ 0.0000, 0.0000,
0.0000

■ 40.8425, 0.3569,
0.4540

■ 40.8425, 0.3569,
0.4540

■ 40.0236, 0.3635,
0.4793

■ 41.7661, 0.3488,
0.4271

■ 39.2981, 0.3681,
0.5019

■ 42.7940, 0.3396,
0.3999

■ 38.6615, 0.3704,
0.5207

■ 43.9328, 0.3299,
0.3730

■ 38.1064, 0.3702,
0.5350

■ 45.1870, 0.3201,
0.3473

■ 37.6218, 0.3677,
0.5447


■ 46.5607, 0.3103,
0.3232

 37.5082, 0.3670,
0.5468

 48.0578, 0.3009,
0.3009

 49.6822, 0.2920,
0.2804

 51.4373, 0.2836,
0.2619

 53.1396, 0.2777,
0.2478

Harmonies

Analogous

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



40.8425, 0.4141, 0.4335



40.8425, 0.3569, 0.4540



40.8425, 0.2910, 0.4313

Triad

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



40.8425, 0.3569, 0.4540



40.8425, 0.1943, 0.2495



40.8425, 0.3919, 0.2892

Complementary

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



40.8425, 0.3569, 0.4540



15.5797, 0.2491, 0.1911

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.



40.8425, 0.3235, 0.2503



40.8425, 0.3569, 0.4540



40.8425, 0.2141, 0.2265

Square

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



40.8425, 0.3569, 0.4540



40.8425, 0.2008, 0.2993



40.8425, 0.2589, 0.2279



40.8425, 0.4388, 0.3379

Rectangle

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



40.8425, 0.3569, 0.4540



40.8425, 0.2512, 0.3924



40.8425, 0.2589, 0.2279



40.8425, 0.3702, 0.2747

Sweetspot

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



40.8443, 0.3569, 0.4540



79.3960, 0.3267, 0.3644



24.2726, 0.4217, 0.3664



17.0597, 0.3288, 0.3700



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.



40.8443, 0.3569, 0.4540



71.6198, 0.3637, 0.4803



37.3317, 0.3189, 0.4706



9.7752, 0.3218, 0.3518



25.8938, 0.3677, 0.5463



0.8435, 0.3827, 0.5344

Inverse Universe

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



15.5797, 0.2491, 0.1911



20.9466, 0.2314, 0.1583



19.3878, 0.2976, 0.2083



8.3505, 0.3030, 0.3058



2.8862, 0.1717, 0.0720



0.1221, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 40.8425, 0.3569, 0.4540 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 40.8425, 0.3569, 0.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

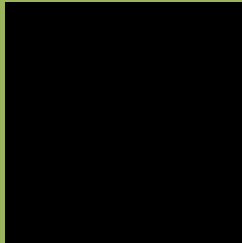
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8425, 0.3569, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 40.8425, 0.3569, 0.4540.



This preview shows how white text looks on a background with the Yxy color 40.8425, 0.3569, 0.4540.

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

40.8425, 0.3569, 0.4540

Protanopia

40.5899, 0.3969, 0.4326

Deuteranopia

40.5051, 0.4165, 0.4079



Tritanopia

40.6935, 0.2977, 0.3112

Trichromacy



Original Color

40.8425, 0.3569, 0.4540

Protanomaly

40.6804, 0.3817, 0.4410

Deuteranomaly

40.4501, 0.3938, 0.4240

Tritanomaly

40.6083, 0.3201, 0.3621

Monochromacy



Original Color

40.8425, 0.3569, 0.4540

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.0580, 0.3308, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8425, 0.3569, 0.4540 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(155, 181, 95)` looks like.

```
.text, #text, p{  
    color:rgb(155, 181, 95)  
}
```

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(155, 181, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 181, 95) }
```

Border

The CSS property to change the border of an element to Yxy 40.8425, 0.3569, 0.4540 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(155, 181, 95) }
```

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

```
.border{ border-color:rgb(155, 181, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 181, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 181, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 181, 95);  
box-shadow:4px 4px 4px 4px rgb(155, 181,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8425, 0.3569, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 181, 95) }
```

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

```
.background{ background-color: rgb(155,  
181, 95) }
```

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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