

Converting Colors

$Yxy(40.4549, 0.3416, 0.4479)$

Have a look what the booklet for
Yxy(40.4549, 0.3416, 0.4479)
contains.

Yxy(40.4549, 0.3416, 0.4479)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4549, 0.3416, 0.4479)

Conversions

Conversions Part 1

Format	Color
Hex	91B667
RGB	145, 182, 103
RGB Percent	57%, 71%, 40%
CMY	0.4313, 0.2863, 0.5961
CMYK	0.20, 0.00, 0.43, 0.29
HSL	88°, 35%, 56%
HSV	88°, 43%, 71%
XYZ	30.8537, 40.4549, 19.0126
YIQ	161.9310, 3.3070, -32.4130

Conversions

Conversions Part 2

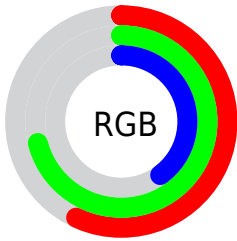
Format	Color
RYB	103, 182, 140
Decimal	9549415
CIELab	69.79, -26.16, 36.13
CIElCh	70, 44.609, 125.909
Yxy	40.4549, 0.3416, 0.4479
Android (android.graphics.Color)	4287739495 (0xFF91B667)
YUV	161.9310, -29.0530, -14.8485
Hunter-Lab	63.6042, -24.7187, 26.7999

Details

The Yxy color **40.4549, 0.3416, 0.4479** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.6519, 0.2698, 0.2088**, and the grayscale version is **36.2358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7950, 0.3377, 0.4245**, and **18.2940, 0.3460, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **39.3846, 0.3461, 0.4767**, and if you desaturate by 10%, it is **41.6663, 0.3359, 0.4186**.

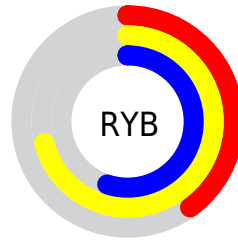
Distribution



Red (57%)

Green (71%)

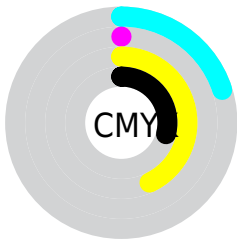
Blue (40%)



Red (40%)

Yellow (71%)

Blue (55%)

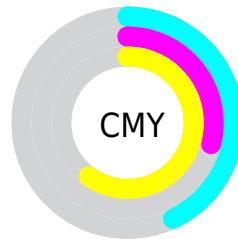


Cyan (20%)

Magenta (0%)

Yellow (43%)

Black (29%)



Cyan (43%)


Magenta (29%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4549, 0.3416, 0.4479 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 40.4549, 0.3416, 0.4479 by changing the saturation by 10% instead.


 40.4549, 0.3416,
0.4479


 40.4549, 0.3416,
0.4479


348.0372, 0.3291,
0.3847

 27.8934, 0.3438,
0.4646


 75.8557, 0.3377,
0.4242


 18.2453, 0.3459,
0.4865


 99.4638, 0.3360,
0.4155

 11.1263, 0.3472,
0.5160


 127.5229, 0.3345,
0.4082

 6.1518, 0.3458,
0.5574

 160.4174, 0.3332,
0.4021

 2.9376, 0.3525,
0.6475

198.5317, 0.3320,
0.3968

 1.0993, 0.2627,
0.7373

242.2502, 0.3309,

 0.0000, 0.0000,

0.3922

0.0000

291.9572, 0.3299,
0.3882

■ 40.4549, 0.3416,
0.4479

■ 40.4549, 0.3416,
0.4479

■ 39.3846, 0.3461,
0.4767

■ 41.6663, 0.3359,
0.4186

■ 38.4438, 0.3488,
0.5036

■ 43.0196, 0.3293,
0.3900

■ 37.6269, 0.3495,
0.5273


■ 44.5221, 0.3223,
0.3627

■ 36.9260, 0.3480,
0.5465

■ 46.1790, 0.3151,
0.3372

■ 36.3315, 0.3442,
0.5604


■ 47.9952, 0.3081,
0.3138

 35.9863, 0.3411,
0.5674

 49.9754, 0.3012,
0.2927

 52.1242, 0.2947,
0.2736

 54.4458, 0.2886,
0.2565

 56.1609, 0.2906,
0.2518

Harmonies

Analogous

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



40.4549, 0.4000, 0.4369



40.4549, 0.3416, 0.4479



40.4549, 0.2786, 0.4160

Triad

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



40.4549, 0.3416, 0.4479



40.4549, 0.2004, 0.2454



40.4549, 0.4015, 0.3007

Complementary

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



40.4549, 0.3416, 0.4479



18.6519, 0.2698, 0.2088

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.



40.4549, 0.3384, 0.2602



40.4549, 0.3416, 0.4479



40.4549, 0.2253, 0.2284

Square

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



40.4549, 0.3416, 0.4479



40.4549, 0.2010, 0.2879



40.4549, 0.2736, 0.2345



40.4549, 0.4389, 0.3491

Rectangle

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



40.4549, 0.3416, 0.4479



40.4549, 0.2426, 0.3749



40.4549, 0.2736, 0.2345



40.4549, 0.3822, 0.2859

Sweetspot

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



40.4567, 0.3416, 0.4479



80.7696, 0.3222, 0.3622



29.6416, 0.4005, 0.3817



17.7012, 0.3237, 0.3680



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.4567, 0.3416, 0.4479



71.4983, 0.3459, 0.4752



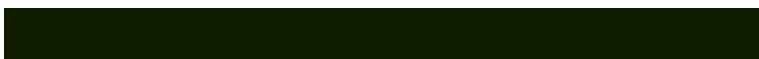
37.4778, 0.3085, 0.4610



10.2888, 0.3194, 0.3521



25.4521, 0.3419, 0.5667



0.9337, 0.3614, 0.5513

Inverse Universe

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



18.6519, 0.2698, 0.2088



26.8429, 0.2575, 0.1808



22.7049, 0.3146, 0.2234



8.9201, 0.3055, 0.3059



3.7953, 0.1976, 0.0862



0.1707, 0.2273, 0.1026

Previews

White Background



This preview shows how the Yxy color 40.4549, 0.3416, 0.4479 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 40.4549, 0.3416, 0.4479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

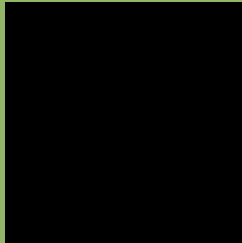
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4549, 0.3416, 0.4479

Background



This preview shows how black text looks on a background with the Yxy color 40.4549, 0.3416, 0.4479.



This preview shows how white text looks on a background with the Yxy color 40.4549, 0.3416, 0.4479.

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

40.4549, 0.3416, 0.4479

Protanopia

40.0894, 0.3900, 0.4239

Deuteranopia

39.9025, 0.4062, 0.3973



Tritanopia

40.2183, 0.2887, 0.3094

Trichromacy



Original Color

40.4549, 0.3416, 0.4479

Protanomaly

39.8501, 0.3720, 0.4330

Deuteranomaly

39.4838, 0.3817, 0.4150

Tritanomaly

40.2233, 0.3087, 0.3583

Monochromacy



Original Color

40.4549, 0.3416, 0.4479

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3669, 0.3246, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4549, 0.3416, 0.4479 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(145, 182, 103)` looks like.

```
.text, #text, p{  
    color:rgb(145, 182, 103)  
}
```

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(145, 182, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 182, 103) }
```

Border

The CSS property to change the border of an element to Yxy 40.4549, 0.3416, 0.4479 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(145, 182, 103) }
```

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

```
.border{ border-color:rgb(145, 182, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 182, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 182, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 182, 103);  
box-shadow:4px 4px 4px 4px rgb(145, 182,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4549, 0.3416, 0.4479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 182, 103) }
```

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

```
.background{ background-color: rgb(145,  
182, 103) }
```

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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