

Converting Colors

$Y_{xy}(40.8332, 0.3475, 0.3962)$

Have a look what the booklet for
Yxy(40.8332, 0.3475, 0.3962)
contains.

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Color

Yxy(40.7645, 0.3477, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	AAAF80
RGB	170, 175, 128
RGB Percent	67%, 69%, 50%
CMY	0.3334, 0.3137, 0.4981
CMYK	0.03, 0.00, 0.27, 0.31
HSL	66°, 23%, 59%
HSV	66°, 27%, 69%
XYZ	35.8015, 40.7645, 26.4007
YIQ	168.1470, 12.1070, -15.6770

Conversions

Conversions Part 2

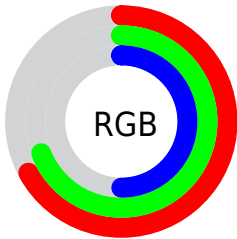
Format	Color
RYB	128, 175, 133
Decimal	11186048
CIELab	70.01, -9.64, 23.58
CIELCh	70, 25.474, 112.231
Yxy	40.7645, 0.3477, 0.3959
Android (android.graphics.Color)	4289376128 (0xFFAAAF80)
YUV	168.1470, -19.7925, 1.6251
Hunter-Lab	63.8471, -11.6406, 20.1767

Details

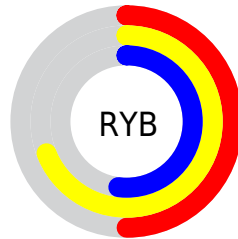
The Yxy color **40.7645, 0.3477, 0.3959** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.5197, 0.2719, 0.2545**, and the grayscale version is **39.3283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0986, 0.3419, 0.3826**, and **18.4979, 0.3570, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **40.1378, 0.3604, 0.4211**, and if you desaturate by 10%, it is **41.4773, 0.3346, 0.3705**.

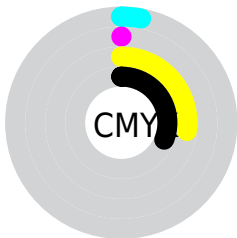
Distribution



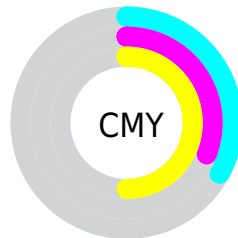
- Red (67%)
- Green (69%)
- Blue (50%)



- Red (50%)
- Yellow (69%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (27%)
- Black (31%)





- Cyan (33%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7645, 0.3477, 0.3959 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 40.7645, 0.3477, 0.3959 by changing the saturation by 10% instead.

 40.7645, 0.3477,
0.3959

 40.7645, 0.3477,
0.3959


349.3354, 0.3303,
0.3612


 28.1351, 0.3519,
0.4049


 76.3263, 0.3415,
0.3830

 18.4275, 0.3572,
0.4167


 100.0274, 0.3391,
0.3782

 11.2574, 0.3639,
0.4327


 128.1880, 0.3371,
0.3742

 6.2402, 0.3727,
0.4553

161.1923, 0.3354,
0.3708

 2.9917, 0.3845,
0.4903

199.4249, 0.3339,
0.3679

 1.1274, 0.4205,
0.5795

243.2699, 0.3325,

 0.0012, 0.0000,

0.3654

1.0000

293.1120, 0.3314,
0.3631

0.0000, 0.0000,
0.0000

40.7645, 0.3477,
0.3959

40.7645, 0.3477,
0.3959

40.1378, 0.3604,
0.4211

41.4773, 0.3346,
0.3705

39.5876, 0.3721,
0.4452

42.2746, 0.3215,
0.3455

39.1113, 0.3823,
0.4671

43.1616, 0.3088,
0.3217

38.7040, 0.3905,
0.4860

44.1418, 0.2966,
0.2992

38.3601, 0.3964,
0.5010

45.2184, 0.2852,
0.2783

■ 38.0732, 0.3997,
0.5117

■ 46.3942, 0.2746,
0.2592

■ 37.8341, 0.4007,
0.5183

■ 47.6724, 0.2648,
0.2418

■ 37.7634, 0.4008,
0.5200

■ 48.1897, 0.2634,
0.2378

■ 48.4235, 0.2647,
0.2381

Harmonies

Analogous

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



40.7645, 0.3759, 0.3847



40.7645, 0.3477, 0.3959



40.7645, 0.3111, 0.3870

Triad

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



40.7645, 0.3477, 0.3959



40.7645, 0.2435, 0.2915



40.7645, 0.3484, 0.3008

Complementary

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



40.7645, 0.3477, 0.3959



23.5197, 0.2719, 0.2545

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.



40.7645, 0.3108, 0.2790



40.7645, 0.3477, 0.3959



40.7645, 0.2519, 0.2726

Square

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



40.7645, 0.3477, 0.3959



40.7645, 0.2521, 0.3230



40.7645, 0.2758, 0.2687



40.7645, 0.3770, 0.3296

Rectangle

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



40.7645, 0.3477, 0.3959



40.7645, 0.2871, 0.3701



40.7645, 0.2758, 0.2687



40.7645, 0.3362, 0.2925

Sweetspot

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



40.7663, 0.3477, 0.3959



75.5135, 0.3232, 0.3487



27.3649, 0.3675, 0.3361



16.7350, 0.3251, 0.3523



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.7663, 0.3477, 0.3959



72.3453, 0.3550, 0.4103



38.4061, 0.3259, 0.4008



9.2861, 0.3247, 0.3515



27.0567, 0.4010, 0.5198



0.7648, 0.4069, 0.5151

Inverse Universe

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



23.5197, 0.2719, 0.2545



36.4520, 0.2616, 0.2361



25.6202, 0.2956, 0.2593



7.7966, 0.3001, 0.3057



2.3273, 0.1544, 0.0624



0.0775, 0.1719, 0.0720

Previews

White Background



This preview shows how the Yxy color 40.7645, 0.3477, 0.3959 looks on a white background.

Color Contrast Check

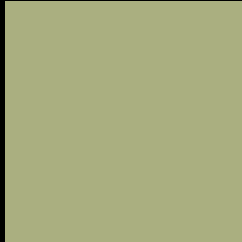
Large Text (above 18pt) WCAG AA × Fail

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 40.7645, 0.3477, 0.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

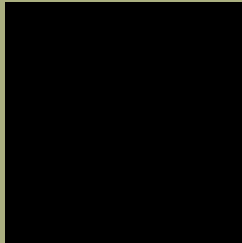
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7645, 0.3477, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 40.7645, 0.3477, 0.3959.



This preview shows how white text looks on a background with the Yxy color 40.7645, 0.3477, 0.3959.

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

40.7645, 0.3477, 0.3959

Protanopia

40.6995, 0.3635, 0.3908

Deuteranopia

40.5801, 0.3806, 0.3732



Tritanopia

40.6886, 0.3099, 0.3116

Trichromacy



Original Color

40.7645, 0.3477, 0.3959

Protanomaly

40.5023, 0.3573, 0.3917

Deuteranomaly

40.5374, 0.3689, 0.3815

Tritanomaly

40.7331, 0.3231, 0.3415

Monochromacy



Original Color

40.7645, 0.3477, 0.3959

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.8607, 0.3262, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7645, 0.3477, 0.3959 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(170, 175, 128)` looks like.

```
.text, #text, p{  
    color:rgb(170, 175, 128)  
}
```

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(170, 175, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 175, 128) }
```

Border

The CSS property to change the border of an element to Yxy 40.7645, 0.3477, 0.3959 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(170, 175, 128) }
```

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

```
.border{ border-color:rgb(170, 175, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 175, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 175, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 175, 128);  
box-shadow:4px 4px 4px 4px rgb(170, 175,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7645, 0.3477, 0.3959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 175, 128) }
```

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

```
.background{ background-color: rgb(170,  
175, 128) }
```

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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