

Converting Colors

$Yxy(40.8185, 0.3539, 0.4076)$

Have a look what the booklet for
Yxy(40.8185, 0.3539, 0.4076)
contains.

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Color

Yxy(40.9528, 0.3540, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	AAB078
RGB	170, 176, 120
RGB Percent	67%, 69%, 47%
CMY	0.3335, 0.3098, 0.5293
CMYK	0.03, 0.00, 0.32, 0.31
HSL	66°, 26%, 58%
HSV	66°, 32%, 69%
XYZ	35.4891, 40.9528, 23.8098
YIQ	167.8220, 14.4000, -18.6880

Conversions

Conversions Part 2

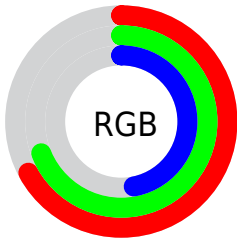
Format	Color
RYB	120, 176, 126
Decimal	11186296
CIELab	70.14, -11.26, 28.03
CIELCh	70, 30.207, 111.889
Yxy	40.9528, 0.3540, 0.4085
Android (android.graphics.Color)	4289376376 (0xFFAAB078)
YUV	167.8220, -23.5762, 1.9101
Hunter-Lab	63.9944, -13.0002, 22.7366

Details

The Yxy color $40.9528, 0.3540, 0.4085$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $21.0137, 0.2630, 0.2385$, and the grayscale version is $39.1781, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.8991, 0.3467, 0.3934$, and $18.6521, 0.3641, 0.4331$ is the 20% darker color. If you saturate the color by 10%, you get $40.3556, 0.3662, 0.4333$, and if you desaturate by 10%, it is $41.6353, 0.3411, 0.3831$.

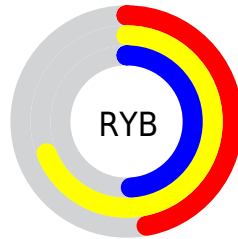
Distribution



Red (67%)

Green (69%)

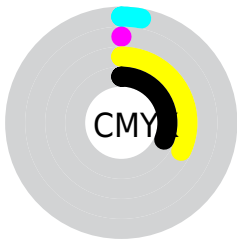
Blue (47%)



Red (47%)

Yellow (69%)

Blue (49%)

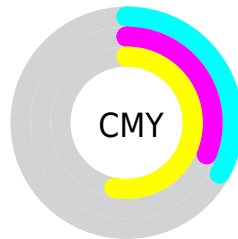


Cyan (3%)

Magenta (0%)

Yellow (32%)

Black (31%)



Cyan (33%)


Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9528, 0.3540, 0.4085 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 40.9528, 0.3540, 0.4085 by changing the saturation by 10% instead.


 40.9528, 0.3540,
0.4085


 40.9528, 0.3540,
0.4085


350.1233, 0.3337,
0.3672


 28.2822, 0.3588,
0.4192


 76.6122, 0.3468,
0.3932

 18.5385, 0.3647,
0.4330


 100.3699, 0.3440,
0.3875

 11.3373, 0.3721,
0.4516


 128.5920, 0.3417,
0.3828

 6.2942, 0.3811,
0.4776

161.6629, 0.3397,
0.3787

 3.0248, 0.3965,
0.5225

199.9672, 0.3379,
0.3753

 1.1447, 0.4091,
0.5909

243.8890, 0.3363,

 0.0158, 0.0000,

0.3722

1.0000

293.8129, 0.3350,
0.3696

■ 0.0000, 0.0000,
0.0000

■ 40.9528, 0.3540,
0.4085

■ 40.9528, 0.3540,
0.4085

■ 40.3556, 0.3662,
0.4333

■ 41.6353, 0.3411,
0.3831

■ 39.8338, 0.3773,
0.4565

■ 42.4016, 0.3280,
0.3578

■ 39.3846, 0.3865,
0.4770


■ 43.2572, 0.3150,
0.3333

■ 39.0027, 0.3936,
0.4941


■ 44.2057, 0.3025,
0.3101

■ 38.6820, 0.3982,
0.5070


■ 45.2503, 0.2907,
0.2884


 38.4155, 0.4002,
0.5156

 46.3942, 0.2797,
0.2684

 38.2251, 0.4006,
0.5202

 47.6404, 0.2695,
0.2502

 48.6104, 0.2636,
0.2390

 48.8485, 0.2650,
0.2393

Harmonies

Analogous

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



40.9528, 0.3875, 0.3940



40.9528, 0.3540, 0.4085



40.9528, 0.3108, 0.3988

Triad

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



40.9528, 0.3540, 0.4085



40.9528, 0.2317, 0.2846



40.9528, 0.3543, 0.2955

Complementary

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



40.9528, 0.3540, 0.4085



21.0137, 0.2630, 0.2385

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.



40.9528, 0.3097, 0.2705



40.9528, 0.3540, 0.4085



40.9528, 0.2412, 0.2627

Square

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



40.9528, 0.3540, 0.4085



40.9528, 0.2417, 0.3219



40.9528, 0.2687, 0.2585



40.9528, 0.3887, 0.3287

Rectangle

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



40.9528, 0.3540, 0.4085



40.9528, 0.2826, 0.3785



40.9528, 0.2687, 0.2585



40.9528, 0.3398, 0.2859

Sweetspot

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



40.9546, 0.3540, 0.4085



77.1334, 0.3258, 0.3537



25.4129, 0.3813, 0.3375



16.6720, 0.3276, 0.3571



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.



40.9546, 0.3540, 0.4085



73.5068, 0.3625, 0.4256



38.1998, 0.3280, 0.4156



9.8592, 0.3247, 0.3516



28.0576, 0.4008, 0.5200



0.8960, 0.4063, 0.5156

Inverse Universe

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



21.0137, 0.2630, 0.2385



31.7642, 0.2500, 0.2157



23.4056, 0.2917, 0.2455



8.2726, 0.3001, 0.3056



2.4146, 0.1544, 0.0624



0.0901, 0.1710, 0.0715

Previews

White Background



This preview shows how the Yxy color 40.9528, 0.3540, 0.4085 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 40.9528, 0.3540, 0.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

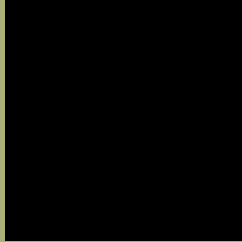
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9528, 0.3540, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 40.9528, 0.3540, 0.4085.



This preview shows how white text looks on a background with the Yxy color 40.9528, 0.3540, 0.4085.

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

40.9528, 0.3540, 0.4085

Protanopia

40.7481, 0.3724, 0.4011

Deuteranopia

40.6775, 0.3893, 0.3817



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.9528, 0.3540, 0.4085

Protanomaly

40.9223, 0.3658, 0.4035

Deuteranomaly

40.4868, 0.3762, 0.3906

Tritanomaly

40.7430, 0.3266, 0.3456

Monochromacy



Original Color

40.9528, 0.3540, 0.4085

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7952, 0.3279, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9528, 0.3540, 0.4085 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, 176, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 176, 120)  
}
```

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, 176, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 176, 120) }
```

Border

The CSS property to change the border of an element to Yxy 40.9528, 0.3540, 0.4085 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, 176, 120) }
```

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

```
.border{ border-color:rgb(170, 176, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 176, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 176, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 176, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 176,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9528, 0.3540, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 176, 120) }
```

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

```
.background{ background-color: rgb(170,  
176, 120) }
```

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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