

Converting Colors

$Yxy(40.8034, 0.3707, 0.4354)$

Have a look what the booklet for
Yxy(40.8034, 0.3707, 0.4354)
contains.

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Color

Yxy(40.6287, 0.3710, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	ABB064
RGB	171, 176, 100
RGB Percent	67%, 69%, 39%
CMY	0.3294, 0.3098, 0.6080
CMYK	0.03, 0.00, 0.43, 0.31
HSL	64°, 32%, 54%
HSV	64°, 43%, 69%
XYZ	34.6193, 40.6287, 18.0655
YIQ	165.8410, 21.4160, -24.6960

Conversions

Conversions Part 2

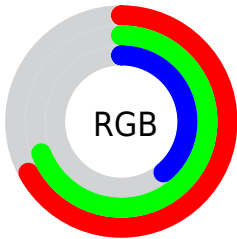
Format	Color
RYB	100, 176, 105
Decimal	11251812
CIELab	69.91, -13.25, 38.23
CIElCh	70, 40.460, 109.109
Yxy	40.6287, 0.3710, 0.4354
Android (android.graphics.Color)	4289441892 (0xFFABB064)
YUV	165.8410, -32.4596, 4.5244
Hunter-Lab	63.7406, -14.5978, 27.8144

Details

The Yxy color $40.6287, 0.3710, 0.4354$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $15.2446, 0.2380, 0.1992$, and the grayscale version is $38.2041, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.3111, 0.3609, 0.4160$, and $18.4362, 0.3836, 0.4671$ is the 20% darker color. If you saturate the color by 10%, you get $40.1964, 0.3826, 0.4576$, and if you desaturate by 10%, it is $41.1395, 0.3581, 0.4113$.

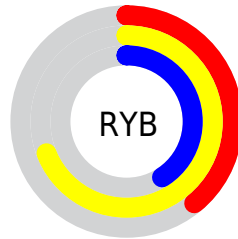
Distribution



Red (67%)

Green (69%)

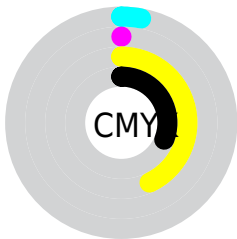
Blue (39%)



Red (39%)

Yellow (69%)

Blue (41%)

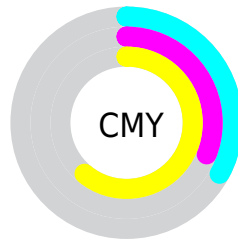


Cyan (3%)

Magenta (0%)

Yellow (43%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6287, 0.3710, 0.4354 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 40.6287, 0.3710, 0.4354 by changing the saturation by 10% instead.


 40.6287, 0.3710,
0.4354


 40.6287, 0.3710,
0.4354


348.7664, 0.3430,
0.3805


 28.0291, 0.3772,
0.4492


 76.1199, 0.3613,
0.4152


 18.3476, 0.3846,
0.4669


 99.7803, 0.3575,
0.4077

 11.1998, 0.3930,
0.4898


 127.8964, 0.3542,
0.4014

 6.2014, 0.4016,
0.5201

 160.8526, 0.3514,
0.3959

 2.9679, 0.4209,
0.5791

199.0333, 0.3489,
0.3913

 1.1150, 0.3924,
0.6076

242.8229, 0.3467,

 0.0000, 0.0000,

0.3872

0.0000

292.6058, 0.3447,
0.3836

■ 40.6287, 0.3710,
0.4354

■ 40.6287, 0.3710,
0.4354

■ 40.1964, 0.3826,
0.4576

■ 41.1395, 0.3581,
0.4113

■ 39.8322, 0.3923,
0.4769

■ 41.7275, 0.3445,
0.3863

■ 39.5326, 0.3998,
0.4925


■ 42.3987, 0.3307,
0.3612

■ 39.2915, 0.4048,
0.5039

■ 43.1567, 0.3170,
0.3366


■ 39.1014, 0.4072,
0.5111


■ 44.0052, 0.3038,
0.3132

 38.9907, 0.4079,
0.5143

 44.9474, 0.2913,
0.2912

 45.9865, 0.2797,
0.2709

 47.1255, 0.2689,
0.2522

 48.1480, 0.2610,
0.2384

Harmonies

Analogous

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



40.6287, 0.4146, 0.4103



40.6287, 0.3710, 0.4354



40.6287, 0.3140, 0.4279

Triad

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



40.6287, 0.3710, 0.4354



40.6287, 0.2071, 0.2723



40.6287, 0.3628, 0.2812

Complementary

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



40.6287, 0.3710, 0.4354



15.2446, 0.2380, 0.1992

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.



40.6287, 0.3023, 0.2507



40.6287, 0.3710, 0.4354



40.6287, 0.2170, 0.2431

Square

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



40.6287, 0.3710, 0.4354



40.6287, 0.2216, 0.3233



40.6287, 0.2500, 0.2367



40.6287, 0.4119, 0.3228

Rectangle

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



40.6287, 0.3710, 0.4354



40.6287, 0.2765, 0.4018



40.6287, 0.2500, 0.2367



40.6287, 0.3428, 0.2695

Sweetspot

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



40.6305, 0.3710, 0.4354



76.8886, 0.3307, 0.3612



20.0047, 0.4208, 0.3350



16.6030, 0.3337, 0.3666



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.



40.6305, 0.3710, 0.4354



72.9191, 0.3823, 0.4570



37.0559, 0.3357, 0.4492



9.8776, 0.3253, 0.3516



28.6162, 0.4080, 0.5142



0.9089, 0.4114, 0.5116

Inverse Universe

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



15.2446, 0.2380, 0.1992



20.7239, 0.2181, 0.1657



17.9752, 0.2773, 0.2120



8.2560, 0.2995, 0.3055



2.3649, 0.1525, 0.0614



0.0832, 0.1630, 0.0672

Previews

White Background



This preview shows how the Yxy color 40.6287, 0.3710, 0.4354 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 40.6287, 0.3710, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

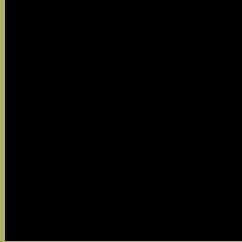
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6287, 0.3710, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 40.6287, 0.3710, 0.4354.



This preview shows how white text looks on a background with the Yxy color 40.6287, 0.3710, 0.4354.

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

40.6287, 0.3710, 0.4354

Protanopia

40.5725, 0.3912, 0.4259

Deuteranopia

40.4391, 0.4120, 0.4037



Tritanopia

40.6360, 0.3135, 0.3117

Trichromacy



Original Color

40.6287, 0.3710, 0.4354

Protanomaly

40.6117, 0.3832, 0.4293

Deuteranomaly

40.4339, 0.3967, 0.4150

Tritanomaly

40.3309, 0.3357, 0.3554

Monochromacy



Original Color

40.6287, 0.3710, 0.4354

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0273, 0.3350, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6287, 0.3710, 0.4354 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(171, 176, 100)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 100)  
}
```

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(171, 176, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 100) }
```

Border

The CSS property to change the border of an element to Yxy 40.6287, 0.3710, 0.4354 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(171, 176, 100) }
```

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

```
.border{ border-color:rgb(171, 176, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 176, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 100);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6287, 0.3710, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 100) }
```

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

```
.background{ background-color: rgb(171,  
176, 100) }
```

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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