

Converting Colors

$Y_{xy}(40.7675, 0.3289, 0.3660)$

Have a look what the booklet for
Yxy(40.7675, 0.3289, 0.3660)
contains.

Yxy(40.7351, 0.3291, 0.3659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7351, 0.3291, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	A8AE94
RGB	168, 174, 148
RGB Percent	66%, 68%, 58%
CMY	0.3410, 0.3177, 0.4195
CMYK	0.03, 0.00, 0.15, 0.32
HSL	74°, 14%, 63%
HSV	74°, 15%, 68%
XYZ	36.6382, 40.7351, 33.9552
YIQ	169.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

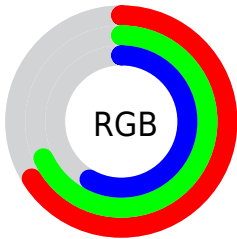
Format	Color
RYB	148, 174, 154
Decimal	11054740
CIELab	69.99, -6.76, 12.63
CIElCh	70, 14.326, 118.145
Yxy	40.7351, 0.3291, 0.3659
Android (android.graphics.Color)	4289244820 (0xFFA8AE94)
YUV	169.2420, -10.4723, -1.0892
Hunter-Lab	63.8241, -9.2241, 13.1338

Details

The Yxy color $40.7351, 0.3291, 0.3659$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $31.1069, 0.2948, 0.2906$, and the grayscale version is $39.8579, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9909, 0.3260, 0.3584$, and $18.4951, 0.3342, 0.3787$ is the 20% darker color. If you saturate the color by 10%, you get $39.7961, 0.3401, 0.3920$, and if you desaturate by 10%, it is $41.7738, 0.3181, 0.3408$.

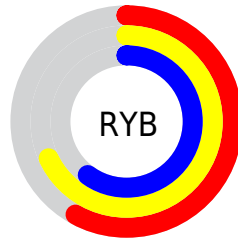
Distribution



Red (66%)

Green (68%)

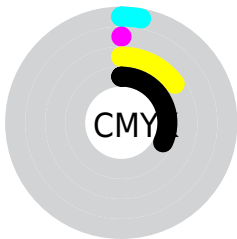
Blue (58%)



Red (58%)

Yellow (68%)

Blue (60%)

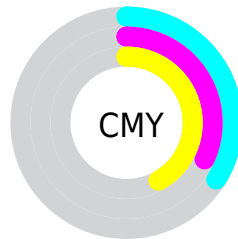


Cyan (3%)

Magenta (0%)

Yellow (15%)

Black (32%)



Cyan (34%)


Magenta (32%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7351, 0.3291, 0.3659 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 40.7351, 0.3291, 0.3659 by changing the saturation by 10% instead.


 40.7351, 0.3291,
0.3659


 40.7351, 0.3291,
0.3659


349.2123, 0.3209,
0.3468

 28.1122, 0.3312,
0.3709


 76.2816, 0.3261,
0.3588

 18.4102, 0.3338,
0.3775


 99.9740, 0.3250,
0.3562

 11.2449, 0.3373,
0.3864


128.1249, 0.3240,
0.3540

 6.2318, 0.3421,
0.3994

161.1188, 0.3232,
0.3521

 2.9865, 0.3492,
0.4199

199.3401, 0.3225,
0.3505

 1.1247, 0.3802,
0.4821

243.1732, 0.3219,

 0.0000, 0.0000,

0.3491

0.0000

293.0024, 0.3214,
0.3479

■ 40.7351, 0.3291,
0.3659

■ 40.7351, 0.3291,
0.3659

■ 39.7961, 0.3401,
0.3920

■ 41.7738, 0.3181,
0.3408

■ 38.9478, 0.3507,
0.4185

■ 42.9106, 0.3073,
0.3172

■ 38.1878, 0.3604,
0.4445

■ 44.1504, 0.2970,
0.2953

■ 37.5117, 0.3688,
0.4690

■ 45.4966, 0.2873,
0.2752

■ 36.9146, 0.3753,
0.4910

■ 46.9523, 0.2782,
0.2569

■ 36.3911, 0.3795,
0.5094

■ 48.5202, 0.2698,
0.2403

■ 35.9350, 0.3812,
0.5234

■ 49.2123, 0.2711,
0.2385

■ 35.5386, 0.3804,
0.5329

■ 49.7530, 0.2740,
0.2393

■ 35.3514, 0.3796,
0.5368

■ 50.3079, 0.2769,
0.2400

Harmonies

Analogous

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



40.7351, 0.3461, 0.3627



40.7351, 0.3291, 0.3659



40.7351, 0.3082, 0.3584

Triad

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



40.7351, 0.3291, 0.3659



40.7351, 0.2730, 0.3055



40.7351, 0.3366, 0.3161

Complementary

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



40.7351, 0.3291, 0.3659



31.1069, 0.2948, 0.2906

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.



40.7351, 0.3163, 0.3020



40.7351, 0.3291, 0.3659



40.7351, 0.2799, 0.2956

Square

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



40.7351, 0.3291, 0.3659



40.7351, 0.2762, 0.3225



40.7351, 0.2956, 0.2946



40.7351, 0.3506, 0.3336

Rectangle

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



40.7351, 0.3291, 0.3659



40.7351, 0.2948, 0.3482



40.7351, 0.2956, 0.2946



40.7351, 0.3302, 0.3108

Sweetspot

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



40.7369, 0.3291, 0.3659



75.9532, 0.3171, 0.3388



34.1303, 0.3388, 0.3372



16.8487, 0.3179, 0.3406



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.



40.7369, 0.3291, 0.3659



73.3046, 0.3329, 0.3747



39.4127, 0.3175, 0.3672



9.2364, 0.3229, 0.3516



25.6715, 0.3800, 0.5365



0.7365, 0.3926, 0.5265

Inverse Universe

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



31.1069, 0.2948, 0.2906



52.3644, 0.2901, 0.2810



32.4162, 0.3071, 0.2920



7.8423, 0.3020, 0.3058



2.5638, 0.1636, 0.0675



0.0955, 0.1945, 0.0845

Previews

White Background



This preview shows how the Yxy color 40.7351, 0.3291, 0.3659 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 40.7351, 0.3291, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

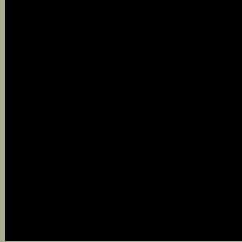
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

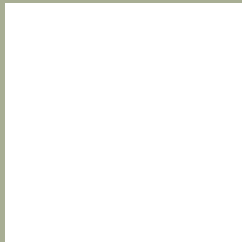
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7351, 0.3291, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 40.7351, 0.3291, 0.3659.



This preview shows how white text looks on a background with the Yxy color 40.7351, 0.3291, 0.3659.

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

40.7351, 0.3291, 0.3659

Protanopia

40.5281, 0.3430, 0.3622

Deuteranopia

40.7144, 0.3553, 0.3489



Tritanopia

40.6376, 0.3055, 0.3114

Trichromacy



Original Color

40.7351, 0.3291, 0.3659

Protanomaly

40.4625, 0.3381, 0.3625

Deuteranomaly

40.4895, 0.3456, 0.3549

Tritanomaly

40.6860, 0.3136, 0.3304

Monochromacy



Original Color

40.7351, 0.3291, 0.3659

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.1340, 0.3193, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7351, 0.3291, 0.3659 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(168, 174, 148)` looks like.

```
.text, #text, p{  
    color:rgb(168, 174, 148)  
}
```

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(168, 174, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 174, 148) }
```

Border

The CSS property to change the border of an element to Yxy 40.7351, 0.3291, 0.3659 is called "border". The border property can be set on classes, ids or directly on the HTML element.

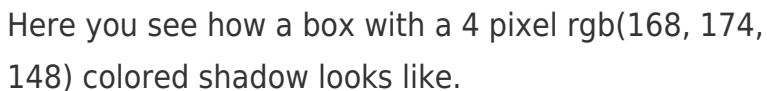
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 174, 148) }
```

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

```
.border{ border-color:rgb(168, 174, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 174, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 174, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 174, 148); box-shadow:4px 4px 4px 4px rgb(168, 174, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7351, 0.3291, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 174, 148) }
```

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

```
.background{ background-color: rgb(168,  
174, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor