

Converting Colors

$Y_{xy}(40.9530, 0.3120, 0.3298)$

Have a look what the booklet for
Yxy(40.9530, 0.3120, 0.3298)
contains.

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Color

Yxy(40.9914, 0.3118, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	AAACAB
RGB	170, 172, 171
RGB Percent	67%, 67%, 67%
CMY	0.3332, 0.3255, 0.3295
CMYK	0.01, 0.00, 0.01, 0.33
HSL	149°, 1%, 67%
HSV	149°, 1%, 67%
XYZ	38.6838, 40.9914, 44.3908
YIQ	171.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

Format	Color
RYB	170, 171, 172
Decimal	11185323
CIELab	70.17, -0.88, 0.27
CIELCh	70, 0.923, 163.073
Yxy	40.9914, 0.3118, 0.3304
Android (android.graphics.Color)	4289375403 (0xFFAAACAB)
YUV	171.2880, -0.1420, -1.1296
Hunter-Lab	64.0245, -4.1928, 3.7090

Details

The Yxy color **40.9914, 0.3118, 0.3304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4731, 0.3136, 0.3276**, and the grayscale version is **40.8803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4367, 0.3120, 0.3301**, and **18.6164, 0.3114, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **38.8717, 0.3038, 0.3435**, and if you desaturate by 10%, it is **43.3882, 0.3198, 0.3188**.

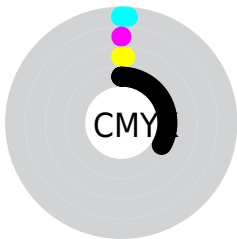
Distribution



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



- Red (67%)
- Yellow (67%)
- Blue (67%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9914, 0.3118, 0.3304 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 40.9914, 0.3118, 0.3304 by changing the saturation by 10% instead.

■ 40.9914, 0.3118,
0.3304

■ 40.9914, 0.3118,
0.3304

350.2847, 0.3123,
0.3297

■ 28.3124, 0.3117,
0.3306

■ 76.6708, 0.3120,
0.3301

■ 18.5613, 0.3115,
0.3308

100.4400, 0.3120,
0.3300

■ 11.3537, 0.3113,
0.3311

128.6747, 0.3121,
0.3300

■ 6.3053, 0.3110,
0.3316

161.7593, 0.3121,
0.3299

■ 3.0316, 0.3105,
0.3323

200.0782, 0.3122,
0.3298

■ 1.1482, 0.3097,
0.3336

244.0158, 0.3122,

■ 0.0188, 0.0000,

0.3298

0.9178

293.9565, 0.3122,
0.3297

0.0000, 0.0000,
0.0000

40.9914, 0.3118,
0.3304

40.9914, 0.3118,
0.3304

38.8717, 0.3038,
0.3435

43.3882, 0.3198,
0.3188

37.0138, 0.2961,
0.3581

46.0665, 0.3277,
0.3085

35.4087, 0.2889,
0.3741

49.0371, 0.3354,
0.2995

34.0449, 0.2823,
0.3916

52.3087, 0.3428,
0.2916

32.9100, 0.2769,
0.4103

55.6940, 0.3490,
0.2845

■ 31.9904, 0.2728,
0.4299

■ 56.1651, 0.3413,
0.2759

■ 31.2711, 0.2704,
0.4500

■ 56.6614, 0.3338,
0.2674

■ 30.7349, 0.2699,
0.4699

■ 57.1834, 0.3266,
0.2592

■ 30.3619, 0.2713,
0.4893

■ 57.7314, 0.3196,
0.2513

Harmonies

Analogous

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



40.9914, 0.3132, 0.3312



40.9914, 0.3118, 0.3304



40.9914, 0.3107, 0.3293

Triad

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



40.9914, 0.3118, 0.3304



40.9914, 0.3111, 0.3267



40.9914, 0.3153, 0.3300

Complementary

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



40.9914, 0.3118, 0.3304



40.4731, 0.3136, 0.3276

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.



40.9914, 0.3148, 0.3288



40.9914, 0.3118, 0.3304



40.9914, 0.3123, 0.3269

Square

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



40.9914, 0.3118, 0.3304



40.9914, 0.3103, 0.3271



40.9914, 0.3137, 0.3277



40.9914, 0.3152, 0.3309

Rectangle

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



40.9914, 0.3118, 0.3304



40.9914, 0.3102, 0.3285



40.9914, 0.3137, 0.3277



40.9914, 0.3152, 0.3296

Sweetspot

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



40.9932, 0.3118, 0.3304



74.8414, 0.3127, 0.3290



41.0745, 0.3135, 0.3317



16.2647, 0.3127, 0.3290



86.8899, 0.3127, 0.3290

Same Dimension

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



40.9932, 0.3118, 0.3304



74.4215, 0.3119, 0.3302



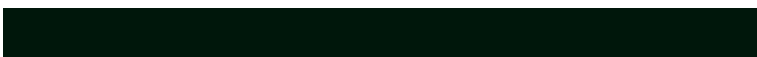
41.0296, 0.3110, 0.3291



9.4144, 0.3120, 0.3301



22.4329, 0.2733, 0.5037



0.6352, 0.2573, 0.4461

Inverse Universe

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



40.4731, 0.3136, 0.3276



73.5815, 0.3135, 0.3278



40.4369, 0.3144, 0.3289



9.3172, 0.3135, 0.3279



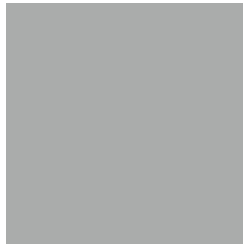
7.0741, 0.4854, 0.2448



0.2078, 0.4232, 0.2105

Previews

White Background



This preview shows how the Yxy color 40.9914, 0.3118, 0.3304 looks on a white background.

Color Contrast Check

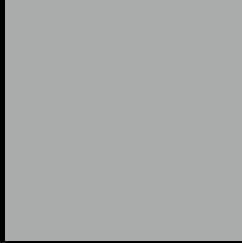
Large Text (above 18pt) WCAG AA × Fail

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 40.9914, 0.3118, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

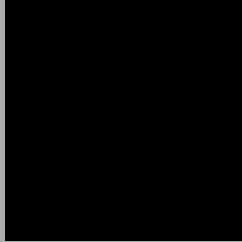
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

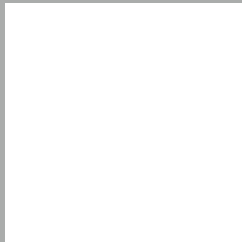
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9914, 0.3118, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 40.9914, 0.3118, 0.3304.



This preview shows how white text looks on a background with the Yxy color 40.9914, 0.3118, 0.3304.

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

40.9914, 0.3118, 0.3304

Protanopia

41.1421, 0.3172, 0.3304

Deuteranopia

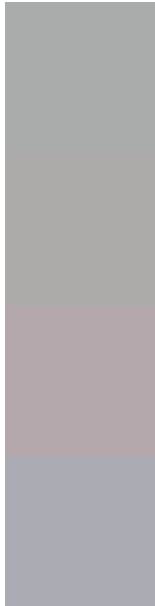
40.9424, 0.3280, 0.3211



Tritanopia

40.9808, 0.3029, 0.3101

Trichromacy



Original Color

40.9914, 0.3118, 0.3304

Protanomaly

40.9123, 0.3154, 0.3304

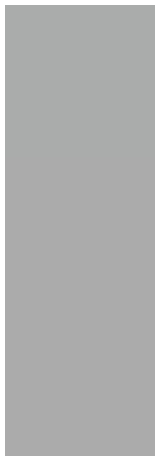
Deuteranomaly

40.8076, 0.3213, 0.3237

Tritanomaly

41.0384, 0.3061, 0.3181

Monochromacy



Original Color

40.9914, 0.3118, 0.3304

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7240, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9914, 0.3118, 0.3304 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, 172, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 171)  
}
```

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, 172, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 171) }
```

Border

The CSS property to change the border of an element to Yxy 40.9914, 0.3118, 0.3304 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, 172, 171) }
```

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

```
.border{ border-color:rgb(170, 172, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
171) }
```

Background

The CSS property to change the background color of an element to Yxy 40.9914, 0.3118, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 171) }
```

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

```
.background{ background-color: rgb(170,  
172, 171) }
```

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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