

Converting Colors

$Y_{xy}(40.4577, 0.3196, 0.3234)$

Have a look what the booklet for
Yxy(40.4577, 0.3196, 0.3234)
contains.

Yxy(40.5675, 0.3194, 0.3236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5675, 0.3194, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	B3A8AC
RGB	179, 168, 172
RGB Percent	70%, 66%, 67%
CMY	0.2980, 0.3412, 0.3254
CMYK	0.00, 0.06, 0.04, 0.30
HSL	338°, 7%, 68%
HSV	338°, 6%, 70%
XYZ	40.0410, 40.5675, 44.7546
YIQ	171.7450, 5.2720, 3.5760

Conversions

Conversions Part 2

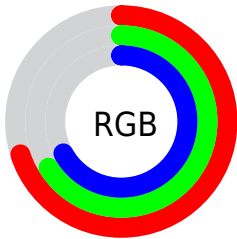
Format	Color
RYB	179, 168, 172
Decimal	11774124
CIELab	69.87, 4.69, -0.65
CIElCh	70, 4.730, 352.112
Yxy	40.5675, 0.3194, 0.3236
Android (android.graphics.Color)	4289964204 (0xFFB3A8AC)
YUV	171.7450, 0.1257, 6.3626
Hunter-Lab	63.6926, 0.7536, 2.9238

Details

The Yxy color $40.5675, 0.3194, 0.3236$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $43.6625, 0.3065, 0.3345$, and the grayscale version is $41.1181, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.9836, 0.3186, 0.3248$, and $18.2825, 0.3208, 0.3215$ is the 20% darker color. If you saturate the color by 10%, you get $33.9896, 0.3322, 0.3144$, and if you desaturate by 10%, it is $48.0962, 0.3089, 0.3323$.

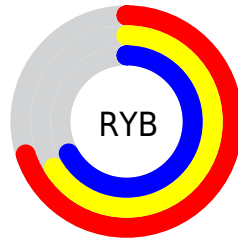
Distribution



Red (70%)

Green (66%)

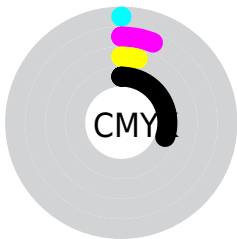
Blue (67%)



Red (70%)

Yellow (66%)

Blue (67%)

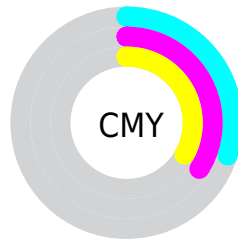


Cyan (0%)

Magenta (6%)

Yellow (4%)

Black (30%)



Cyan (30%)


Magenta (34%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5675, 0.3194, 0.3236 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 40.5675, 0.3194, 0.3236 by changing the saturation by 10% instead.


 40.5675, 0.3194,
0.3236


 40.5675, 0.3194,
0.3236


348.5097, 0.3160,
0.3264

 27.9813, 0.3203,
0.3229


 76.0269, 0.3181,
0.3246

 18.3116, 0.3214,
0.3220


 99.6689, 0.3177,
0.3250

 11.1739, 0.3230,
0.3207


127.7649, 0.3173,
0.3253

 6.1839, 0.3252,
0.3189

160.6994, 0.3169,
0.3256

 2.9572, 0.3286,
0.3162

198.8568, 0.3167,
0.3258

 1.1094, 0.3348,
0.3113

242.6213, 0.3164,

 0.0000, 0.7712,

0.3260

0.0000

292.3775, 0.3162,
0.3262

0.0000, 0.0000,
0.0000

40.5675, 0.3194,
0.3236

40.5675, 0.3194,
0.3236

33.9896, 0.3322,
0.3144

48.0962, 0.3089,
0.3323

28.3194, 0.3477,
0.3047

56.6061, 0.3003,
0.3403

23.5182, 0.3665,
0.2949

66.1329, 0.2933,
0.3476

19.5424, 0.3889,
0.2856

76.7087, 0.2875,
0.3544

16.3449, 0.4150,
0.2774

86.7561, 0.2825,
0.3579

■ 13.8734, 0.4447,
0.2715

■ 87.4124, 0.2768,
0.3450

■ 12.0693, 0.4767,
0.2690

■ 88.1111, 0.2712,
0.3325

■ 10.8648, 0.5094,
0.2710

■ 88.3244, 0.2696,
0.3289

■ 10.1713, 0.5401,
0.2780

Harmonies

Analogous

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



40.5675, 0.3126, 0.3191



40.5675, 0.3194, 0.3236



40.5675, 0.3245, 0.3295

Triad

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



40.5675, 0.3194, 0.3236



40.5675, 0.3195, 0.3411



40.5675, 0.2993, 0.3224

Complementary

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



40.5675, 0.3194, 0.3236



43.6625, 0.3065, 0.3345

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.



40.5675, 0.3011, 0.3283



40.5675, 0.3194, 0.3236



40.5675, 0.3128, 0.3392

Square

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



40.5675, 0.3194, 0.3236



40.5675, 0.3245, 0.3397



40.5675, 0.3060, 0.3345



40.5675, 0.3010, 0.3184

Rectangle

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



40.5675, 0.3194, 0.3236



40.5675, 0.3261, 0.3335



40.5675, 0.3060, 0.3345



40.5675, 0.2995, 0.3243

Sweetspot

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



40.5693, 0.3194, 0.3236



77.9891, 0.3148, 0.3272



40.3714, 0.3098, 0.3141



17.3102, 0.3147, 0.3273



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.5693, 0.3194, 0.3236



71.4360, 0.3205, 0.3227



40.9623, 0.3227, 0.3310



8.8387, 0.3209, 0.3224



7.0554, 0.5485, 0.2795



0.2334, 0.4713, 0.2370

Inverse Universe

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



40.5693, 0.3194, 0.3236



71.4360, 0.3205, 0.3227



43.2374, 0.3034, 0.3270



8.8387, 0.3209, 0.3224



7.0554, 0.5485, 0.2795



0.2334, 0.4713, 0.2370

Previews

White Background



This preview shows how the Yxy color 40.5675, 0.3194, 0.3236 looks on a white background.

Color Contrast Check

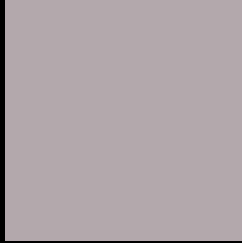
Large Text (above 18pt) WCAG AA × Fail

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 40.5675, 0.3194, 0.3236 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

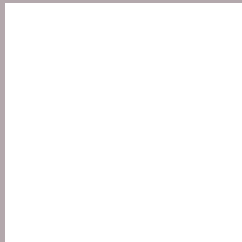
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5675, 0.3194, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 40.5675, 0.3194, 0.3236.



This preview shows how white text looks on a background with the Yxy color 40.5675, 0.3194, 0.3236.

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

40.5675, 0.3194, 0.3236

Protanopia

40.6508, 0.3129, 0.3249

Deuteranopia

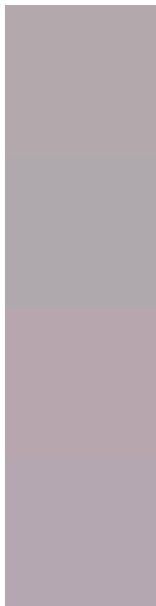
40.3665, 0.3254, 0.3184



Tritanopia

40.6360, 0.3135, 0.3117

Trichromacy



Original Color

40.5675, 0.3194, 0.3236

Protanomaly

40.5070, 0.3148, 0.3236

Deuteranomaly

40.3568, 0.3225, 0.3197

Tritanomaly

40.5151, 0.3161, 0.3156

Monochromacy



Original Color

40.5675, 0.3194, 0.3236

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.2183, 0.3155, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5675, 0.3194, 0.3236 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(179, 168, 172)` looks like.

```
.text, #text, p{  
    color:rgb(179, 168, 172)  
}
```

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(179, 168, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 168, 172) }
```

Border

The CSS property to change the border of an element to Yxy 40.5675, 0.3194, 0.3236 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(179, 168, 172) }
```

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

```
.border{ border-color:rgb(179, 168, 172) }
```

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

Here you see how a box with a 4 pixel rgb(179, 168, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 168, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 168, 172);  
box-shadow:4px 4px 4px 4px rgb(179, 168,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5675, 0.3194, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 168, 172) }
```

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

```
.background{ background-color: rgb(179,  
168, 172) }
```

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