

Converting Colors

$Y_{xy}(40.7497, 0.3126, 0.3275)$

Have a look what the booklet for
Yxy(40.7497, 0.3126, 0.3275)
contains.

Yxy(40.8750, 0.3128, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(40.8750, 0.3128, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	ACABAC
RGB	172, 171, 172
RGB Percent	67%, 67%, 67%
CMY	0.3254, 0.3294, 0.3254
CMYK	0.00, 0.01, 0.00, 0.33
HSL	301°, 1%, 67%
HSV	301°, 1%, 67%
XYZ	39.0284, 40.8750, 44.8677
YIQ	171.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
RYB	172, 171, 172
Decimal	11316140
CIELab	70.09, 0.57, -0.40
CIELCh	70, 0.693, 324.661
Yxy	40.8750, 0.3128, 0.3276
Android (android.graphics.Color)	4289506220 (0xFFACABAC)
YUV	171.4130, 0.2894, 0.5148
Hunter-Lab	63.9336, -2.9180, 3.1446

Details

The Yxy color **40.8750, 0.3128, 0.3276** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.1153, 0.3126, 0.3304**, and the grayscale version is **40.9448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2697, 0.3128, 0.3279**, and **18.5428, 0.3128, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **34.7825, 0.3142, 0.3040**, and if you desaturate by 10%, it is **47.8169, 0.3115, 0.3502**.

Distribution



Red (67%)

Green (67%)

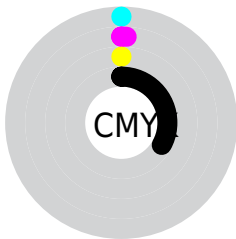
Blue (67%)



Red (67%)

Yellow (67%)

Blue (67%)



Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8750, 0.3128, 0.3276 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 40.8750, 0.3128, 0.3276 by changing the saturation by 10% instead.

■ 40.8750, 0.3128,
0.3276

■ 40.8750, 0.3128,
0.3276

349.7979, 0.3128,
0.3283

■ 28.2214, 0.3128,
0.3274

■ 76.4941, 0.3128,
0.3279

■ 18.4926, 0.3128,
0.3272

100.2284, 0.3128,
0.3280

■ 11.3043, 0.3128,
0.3268

128.4251, 0.3128,
0.3281

■ 6.2719, 0.3129,
0.3264

161.4686, 0.3128,
0.3281

■ 3.0111, 0.3129,
0.3256

199.7432, 0.3128,
0.3282

■ 1.1375, 0.3130,
0.3243

243.6333, 0.3128,

■ 0.0098, 0.3228,

0.3282

0.1366

293.5235, 0.3128,
0.3283

0.0000, 0.0000,
0.0000

40.8750, 0.3128,
0.3276

40.8750, 0.3128,
0.3276

34.7825, 0.3142,
0.3040

47.8169, 0.3115,
0.3502

29.5017, 0.3158,
0.2798

55.6336, 0.3102,
0.3715

24.9999, 0.3173,
0.2558

64.3559, 0.3091,
0.3912

21.2402, 0.3189,
0.2327

74.0116, 0.3081,
0.4094

18.1825, 0.3204,
0.2115

83.3384, 0.3073,
0.4241

■ 15.7833, 0.3219,
0.1930

■ 83.3515, 0.3071,
0.4237

■ 13.9939, 0.3232,
0.1780

■ 83.3646, 0.3069,
0.4233

■ 12.7592, 0.3243,
0.1671

■ 83.3778, 0.3068,
0.4229

■ 12.0137, 0.3251,
0.1603

■ 83.3910, 0.3066,
0.4225

Harmonies

Analogous

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



40.8750, 0.3118, 0.3273



40.8750, 0.3128, 0.3276



40.8750, 0.3138, 0.3283

Triad

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



40.8750, 0.3128, 0.3276



40.8750, 0.3144, 0.3306



40.8750, 0.3110, 0.3289

Complementary

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



40.8750, 0.3128, 0.3276



41.1153, 0.3126, 0.3304

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.



40.8750, 0.3117, 0.3298



40.8750, 0.3128, 0.3276



40.8750, 0.3137, 0.3308

Square

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



40.8750, 0.3128, 0.3276



40.8750, 0.3147, 0.3300



40.8750, 0.3127, 0.3305



40.8750, 0.3108, 0.3280

Rectangle

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



40.8750, 0.3128, 0.3276



40.8750, 0.3143, 0.3289



40.8750, 0.3127, 0.3305



40.8750, 0.3112, 0.3292

Sweetspot

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



40.8768, 0.3128, 0.3276



74.8414, 0.3127, 0.3290



40.7624, 0.3119, 0.3276



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.



40.8768, 0.3128, 0.3276



73.6379, 0.3129, 0.3266



40.8570, 0.3132, 0.3283



9.3237, 0.3128, 0.3268



8.6494, 0.3258, 0.1568



0.2414, 0.3242, 0.1560

Inverse Universe

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



40.8768, 0.3128, 0.3276



73.6379, 0.3129, 0.3266



41.1350, 0.3122, 0.3297



9.3237, 0.3128, 0.3268



8.6494, 0.3258, 0.1568



0.2414, 0.3242, 0.1560

Previews

White Background



This preview shows how the Yxy color 40.8750, 0.3128, 0.3276 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 40.8750, 0.3128, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

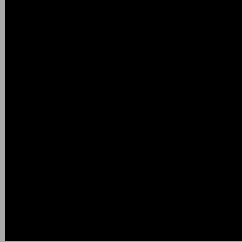
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

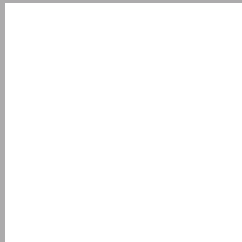
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8750, 0.3128, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 40.8750, 0.3128, 0.3276.

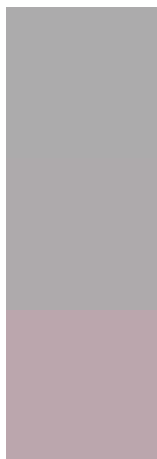


This preview shows how white text looks on a background with the Yxy color 40.8750, 0.3128, 0.3276.

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

40.8750, 0.3128, 0.3276

Protanopia

40.7267, 0.3147, 0.3263

Deuteranopia

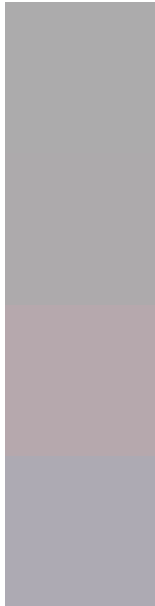
40.8544, 0.3262, 0.3198



Tritanopia

40.7935, 0.3055, 0.3101

Trichromacy



Original Color

40.8750, 0.3128, 0.3276

Protanomaly

40.6122, 0.3137, 0.3263

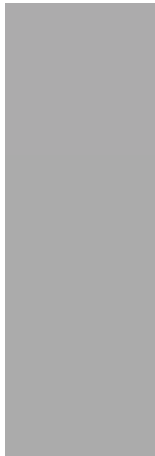
Deuteranomaly

40.9675, 0.3213, 0.3223

Tritanomaly

40.8884, 0.3079, 0.3168

Monochromacy



Original Color

40.8750, 0.3128, 0.3276

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 40.8750, 0.3128, 0.3276 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(172, 171, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 171, 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(172, 171, 172) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 40.8750, 0.3128, 0.3276 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(172, 171, 172) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 40.8750, 0.3128, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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