

Converting Colors

$Y_{xy}(41.7294, 0.3210, 0.3156)$

Have a look what the booklet for
Yxy(41.7294, 0.3210, 0.3156)
contains.

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Color

Yxy(41.7844, 0.3216, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	BBA8B2
RGB	187, 168, 178
RGB Percent	73%, 66%, 70%
CMY	0.2665, 0.3412, 0.3019
CMYK	0.00, 0.10, 0.05, 0.27
HSL	328°, 12%, 70%
HSV	328°, 10%, 73%
XYZ	42.5383, 41.7844, 47.9482
YIQ	174.8210, 8.1140, 7.1380

Conversions

Conversions Part 2

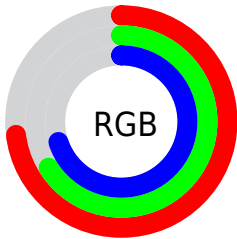
Format	Color
RYB	187, 168, 178
Decimal	12298418
CIELab	70.72, 8.66, -2.64
CIElCh	71, 9.050, 343.043
Yxy	41.7844, 0.3216, 0.3159
Android (android.graphics.Color)	4290488498 (0xFFBBA8B2)
YUV	174.8210, 1.5672, 10.6810
Hunter-Lab	64.6409, 4.3444, 1.2694

Details

The Yxy color $41.7844, 0.3216, 0.3159$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.0528, 0.3047, 0.3425$, and the grayscale version is $42.7638, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.7706, 0.3196, 0.3178$, and $19.0398, 0.3250, 0.3129$ is the 20% darker color. If you saturate the color by 10%, you get $35.0257, 0.3321, 0.3024$, and if you desaturate by 10%, it is $49.5630, 0.3129, 0.3288$.

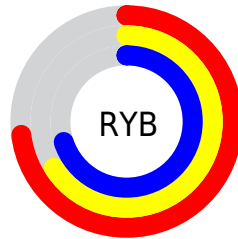
Distribution



Red (73%)

Green (66%)

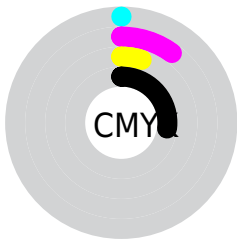
Blue (70%)



Red (73%)

Yellow (66%)

Blue (70%)

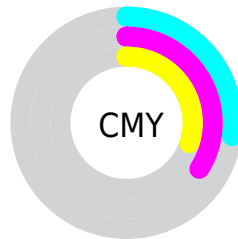


Cyan (0%)

Magenta (10%)

Yellow (5%)

Black (27%)



Cyan (27%)


Magenta (34%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7844, 0.3216, 0.3159 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 41.7844, 0.3216, 0.3159 by changing the saturation by 10% instead.


 41.7844, 0.3216,
0.3159


 41.7844, 0.3216,
0.3159

353.5884, 0.3171,
0.3225

 28.9325, 0.3227,
0.3142


 77.8732, 0.3200,
0.3183

 19.0298, 0.3242,
0.3121


 101.8789, 0.3193,
0.3192

 11.6918, 0.3262,
0.3092


130.3714, 0.3188,
0.3200

 6.5342, 0.3290,
0.3051

163.7350, 0.3184,
0.3206

 3.1725, 0.3333,
0.2989

202.3541, 0.3180,
0.3212

 1.2225, 0.3406,
0.2883

246.6131, 0.3177,

 0.0799, 0.4497,

0.3217

0.1251

296.8964, 0.3174,
0.3221

0.0000, 0.0000,
0.0000

41.7844, 0.3216,
0.3159

41.7844, 0.3216,
0.3159

35.0257, 0.3321,
0.3024

49.5630, 0.3129,
0.3288

29.2388, 0.3446,
0.2885

58.3960, 0.3056,
0.3408

24.3798, 0.3594,
0.2746

68.3232, 0.2996,
0.3520

20.3993, 0.3766,
0.2617

79.3807, 0.2946,
0.3623

17.2434, 0.3960,
0.2505

87.3796, 0.2903,
0.3650

■ 14.8520, 0.4174,
0.2422

■ 87.8682, 0.2856,
0.3550

■ 13.1569, 0.4401,
0.2381

■ 88.3822, 0.2811,
0.3451

■ 12.0776, 0.4630,
0.2391

■ 88.9219, 0.2767,
0.3354

■ 11.4586, 0.4850,
0.2445

■ 89.3087, 0.2737,
0.3289

Harmonies

Analogous

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



41.7844, 0.3083, 0.3088



41.7844, 0.3216, 0.3159



41.7844, 0.3327, 0.3264

Triad

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



41.7844, 0.3216, 0.3159



41.7844, 0.3289, 0.3518



41.7844, 0.2878, 0.3195

Complementary

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



41.7844, 0.3216, 0.3159



47.0528, 0.3047, 0.3425

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.



41.7844, 0.2931, 0.3313



41.7844, 0.3216, 0.3159



41.7844, 0.3167, 0.3503

Square

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



41.7844, 0.3216, 0.3159



41.7844, 0.3369, 0.3471



41.7844, 0.3036, 0.3427



41.7844, 0.2890, 0.3106

Rectangle

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



41.7844, 0.3216, 0.3159



41.7844, 0.3372, 0.3340



41.7844, 0.3036, 0.3427



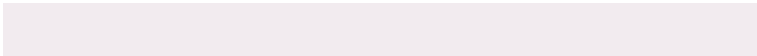
41.7844, 0.2889, 0.3232

Sweetspot

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



41.7862, 0.3216, 0.3159



84.5487, 0.3152, 0.3252



40.9246, 0.3048, 0.3037



18.3652, 0.3159, 0.3241



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.7862, 0.3216, 0.3159



72.2286, 0.3236, 0.3132



41.4220, 0.3299, 0.3282



9.6180, 0.3208, 0.3170



7.9069, 0.4825, 0.2431



0.3229, 0.4337, 0.2163

Inverse Universe

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



41.7862, 0.3216, 0.3159



72.2286, 0.3236, 0.3132



47.4400, 0.2977, 0.3298



9.6180, 0.3208, 0.3170



7.9069, 0.4825, 0.2431



0.3229, 0.4337, 0.2163

Previews

White Background



This preview shows how the Yxy color 41.7844, 0.3216, 0.3159 looks on a white background.

Color Contrast Check

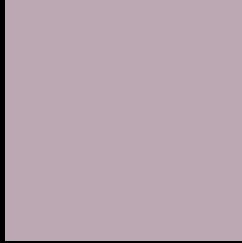
Large Text (above 18pt) WCAG AA × Fail

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 41.7844, 0.3216, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

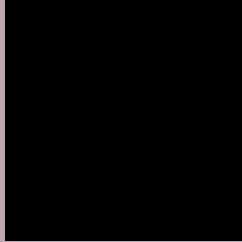
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

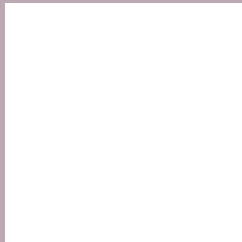
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7844, 0.3216, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 41.7844, 0.3216, 0.3159.



This preview shows how white text looks on a background with the Yxy color 41.7844, 0.3216, 0.3159.

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

41.7844, 0.3216, 0.3159

Protanopia

41.7990, 0.3079, 0.3182

Deuteranopia

41.9110, 0.3225, 0.3160



Tritanopia

41.9063, 0.3190, 0.3121

Trichromacy



Original Color

41.7844, 0.3216, 0.3159

Protanomaly

41.9642, 0.3132, 0.3183

Deuteranomaly

41.9110, 0.3225, 0.3160

Tritanomaly

41.8653, 0.3198, 0.3133

Monochromacy



Original Color

41.7844, 0.3216, 0.3159

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.2233, 0.3157, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7844, 0.3216, 0.3159 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(187, 168, 178)` looks like.

```
.text, #text, p{  
    color:rgb(187, 168, 178)  
}
```

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(187, 168, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 168, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.7844, 0.3216, 0.3159 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(187, 168, 178) }
```

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

```
.border{ border-color:rgb(187, 168, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 168, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 168, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 168, 178);  
box-shadow:4px 4px 4px 4px rgb(187, 168,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7844, 0.3216, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 168, 178) }
```

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

```
.background{ background-color: rgb(187,  
168, 178) }
```

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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