

Converting Colors

$Y_{xy}(42.0677, 0.3117, 0.3264)$

Have a look what the booklet for
Yxy(42.0677, 0.3117, 0.3264)
contains.

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Color

Yxy(41.9810, 0.3120, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	AEADAF
RGB	174, 173, 175
RGB Percent	68%, 68%, 69%
CMY	0.3175, 0.3216, 0.3138
CMYK	0.01, 0.01, 0.00, 0.31
HSL	271°, 1%, 68%
HSV	271°, 1%, 69%
XYZ	40.1412, 41.9810, 46.5355
YIQ	173.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

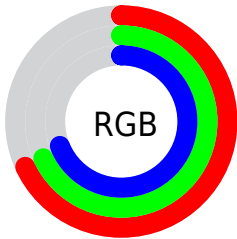
Format	Color
RYB	174, 173, 175
Decimal	11447727
CIELab	70.86, 0.75, -0.90
CIElCh	71, 1.167, 309.844
Yxy	41.9810, 0.3120, 0.3263
Android (android.graphics.Color)	4289637807 (0xFFAEADAF)
YUV	173.5270, 0.7262, 0.4148
Hunter-Lab	64.7927, -2.8008, 2.7716

Details

The Yxy color **41.9810, 0.3120, 0.3263** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6625, 0.3134, 0.3317**, and the grayscale version is **42.0713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8580, 0.3121, 0.3269**, and **19.2424, 0.3117, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **34.7766, 0.3051, 0.3014**, and if you desaturate by 10%, it is **50.1275, 0.3179, 0.3491**.

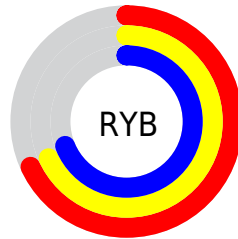
Distribution



Red (68%)

Green (68%)

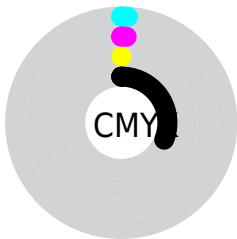
Blue (69%)



Red (68%)

Yellow (68%)

Blue (69%)

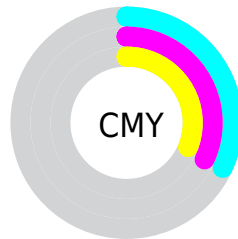


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (32%)


Magenta (32%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9810, 0.3120, 0.3263 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 41.9810, 0.3120, 0.3263 by changing the saturation by 10% instead.


 41.9810, 0.3120,
0.3263

 41.9810, 0.3120,
0.3263

354.4042, 0.3124,
0.3277

 29.0864, 0.3119,
0.3259


 78.1709, 0.3121,
0.3268

 19.1462, 0.3118,
0.3255


102.2349, 0.3122,
0.3270

 11.7760, 0.3116,
0.3249


130.7910, 0.3122,
0.3272

 6.5913, 0.3114,
0.3240

164.2233, 0.3123,
0.3273

 3.2079, 0.3110,
0.3226

202.9164, 0.3123,
0.3274

 1.2412, 0.3104,
0.3203

247.2547, 0.3123,

 0.0950, 0.2937,

0.3275

0.2570

297.6225, 0.3123,
0.3276

0.0000, 0.0000,
0.0000

41.9810, 0.3120,
0.3263

41.9810, 0.3120,
0.3263

34.7766, 0.3051,
0.3014

50.1275, 0.3179,
0.3491

28.4738, 0.2970,
0.2746

59.2438, 0.3228,
0.3698

23.0374, 0.2877,
0.2463

69.3631, 0.3268,
0.3884

18.4275, 0.2772,
0.2173

80.5154, 0.3302,
0.4050

14.6011, 0.2657,
0.1885

89.1781, 0.3339,
0.4150

■ 11.5113, 0.2535,
0.1611

■ 90.4801, 0.3394,
0.4134

■ 9.1056, 0.2409,
0.1367

■ 91.8476, 0.3450,
0.4119

■ 7.3248, 0.2285,
0.1164

■ 93.2815, 0.3506,
0.4103

■ 6.0987, 0.2168,
0.1013

■ 94.7826, 0.3563,
0.4087

Harmonies

Analogous

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



41.9810, 0.3105, 0.3261



41.9810, 0.3120, 0.3263



41.9810, 0.3137, 0.3272

Triad

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



41.9810, 0.3120, 0.3263



41.9810, 0.3159, 0.3313



41.9810, 0.3103, 0.3295

Complementary

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



41.9810, 0.3120, 0.3263



42.6625, 0.3134, 0.3317

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.



41.9810, 0.3117, 0.3309



41.9810, 0.3120, 0.3263



41.9810, 0.3150, 0.3319

Square

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



41.9810, 0.3120, 0.3263



41.9810, 0.3160, 0.3300



41.9810, 0.3134, 0.3318



41.9810, 0.3095, 0.3280

Rectangle

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



41.9810, 0.3120, 0.3263



41.9810, 0.3147, 0.3281



41.9810, 0.3134, 0.3318



41.9810, 0.3107, 0.3300

Sweetspot

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



41.9828, 0.3120, 0.3263



76.7769, 0.3127, 0.3290



42.2335, 0.3110, 0.3276



17.0645, 0.3127, 0.3290



89.0005, 0.3127, 0.3290

Same Dimension

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



41.9828, 0.3120, 0.3263



75.3685, 0.3121, 0.3266



42.0908, 0.3129, 0.3264



9.3042, 0.3121, 0.3268



3.8654, 0.2084, 0.0922



0.1398, 0.2418, 0.1106

Inverse Universe

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



42.0514, 0.3137, 0.3277



75.4786, 0.3136, 0.3279



42.5553, 0.3126, 0.3317



9.3166, 0.3135, 0.3280



6.9916, 0.5022, 0.2540



0.2056, 0.4336, 0.2162

Previews

White Background



This preview shows how the Yxy color 41.9810, 0.3120, 0.3263 looks on a white background.

Color Contrast Check

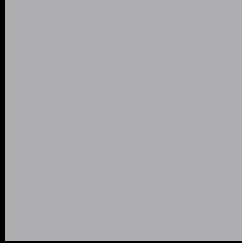
Large Text (above 18pt) WCAG AA × Fail

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 41.9810, 0.3120, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

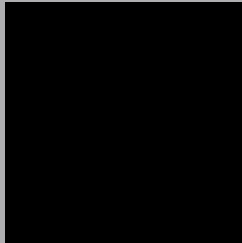
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

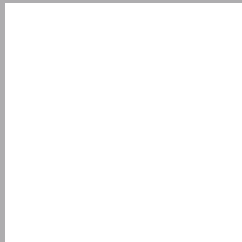
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9810, 0.3120, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 41.9810, 0.3120, 0.3263.

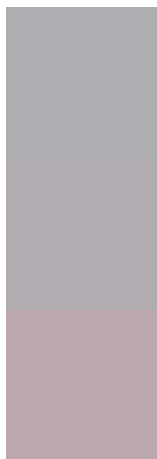


This preview shows how white text looks on a background with the Yxy color 41.9810, 0.3120, 0.3263.

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

41.9810, 0.3120, 0.3263

Protanopia

41.8303, 0.3138, 0.3250

Deuteranopia

41.9587, 0.3252, 0.3186



Tritanopia

41.8587, 0.3056, 0.3103

Trichromacy



Original Color

41.9810, 0.3120, 0.3263

Protanomaly

41.7142, 0.3129, 0.3249

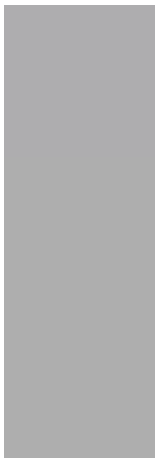
Deuteranomaly

42.0744, 0.3204, 0.3211

Tritanomaly

41.9552, 0.3080, 0.3169

Monochromacy



Original Color

41.9810, 0.3120, 0.3263

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3268, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9810, 0.3120, 0.3263 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(174, 173, 175)` looks like.

```
.text, #text, p{  
    color:rgb(174, 173, 175)  
}
```

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(174, 173, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 173, 175) }
```

Border

The CSS property to change the border of an element to Yxy 41.9810, 0.3120, 0.3263 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(174, 173, 175) }
```

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

```
.border{ border-color:rgb(174, 173, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 173, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 173, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 173, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 173,  
175) }
```

Background

The CSS property to change the background color of an element to Yxy 41.9810, 0.3120, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 173, 175) }
```

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

```
.background{ background-color: rgb(174,  
173, 175) }
```

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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