

Converting Colors

$Y_{xy}(42.1244, 0.3080, 0.3256)$

Have a look what the booklet for
Yxy(42.1244, 0.3080, 0.3256)
contains.

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Color

Yxy(42.1044, 0.3076, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	ABAEB1
RGB	171, 174, 177
RGB Percent	67%, 68%, 69%
CMY	0.3295, 0.3176, 0.3058
CMYK	0.03, 0.02, 0.00, 0.31
HSL	210°, 4%, 68%
HSV	210°, 3%, 69%
XYZ	39.8625, 42.1044, 47.6250
YIQ	173.4450, -2.7510, 0.2970

Conversions

Conversions Part 2

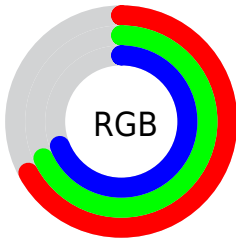
Format	Color
RYB	171, 173, 177
Decimal	11251377
CIELab	70.94, -0.49, -1.92
CIElCh	71, 1.977, 255.678
Yxy	42.1044, 0.3076, 0.3249
Android (android.graphics.Color)	4289441457 (0xFFABAEB1)
YUV	173.4450, 1.7526, -2.1443
Hunter-Lab	64.8879, -3.8963, 1.9051

Details

The Yxy color **42.1044, 0.3076, 0.3249** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.5479, 0.3179, 0.3331**, and the grayscale version is **42.0193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0906, 0.3081, 0.3248**, and **19.2962, 0.3068, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **36.9642, 0.2922, 0.3119**, and if you desaturate by 10%, it is **47.7366, 0.3224, 0.3365**.

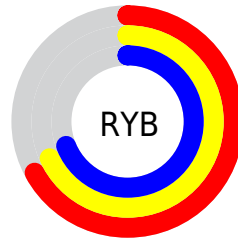
Distribution



Red (67%)

Green (68%)

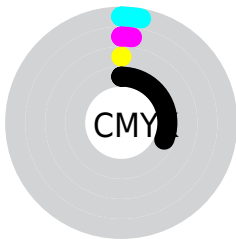
Blue (69%)



Red (67%)

Yellow (68%)

Blue (69%)

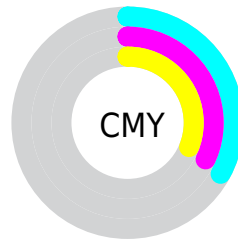


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (32%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1044, 0.3076, 0.3249 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 42.1044, 0.3076, 0.3249 by changing the saturation by 10% instead.

■ 42.1044, 0.3076,
0.3249

■ 42.1044, 0.3076,
0.3249

354.9155, 0.3102,
0.3270

■ 29.1830, 0.3069,
0.3244

■ 78.3576, 0.3086,
0.3257

■ 19.2193, 0.3061,
0.3237

102.4582, 0.3089,
0.3260

■ 11.8289, 0.3049,
0.3227

131.0541, 0.3092,
0.3262

■ 6.6273, 0.3033,
0.3214

164.5296, 0.3095,
0.3264

■ 3.2301, 0.3007,
0.3193

203.2691, 0.3097,
0.3266

■ 1.2530, 0.2963,
0.3157

247.6570, 0.3099,

■ 0.1044, 0.1987,

0.3267

0.2376

298.0777, 0.3101,
0.3269

■ 0.0000, 0.0000,
0.0000

■ 42.1044, 0.3076,
0.3249

■ 42.1044, 0.3076,
0.3249

■ 36.9642, 0.2922,
0.3119

■ 47.7366, 0.3224,
0.3365

■ 32.2959, 0.2763,
0.2976

■ 53.8695, 0.3363,
0.3467

■ 28.0857, 0.2601,
0.2818

■ 60.5182, 0.3494,
0.3558

■ 24.3172, 0.2441,
0.2647

■ 67.6956, 0.3617,
0.3637

■ 20.9727, 0.2287,
0.2466

■ 74.5550, 0.3696,
0.3712

■ 18.0330, 0.2143,
0.2277

■ 79.2338, 0.3670,
0.3797

■ 15.4772, 0.2015,
0.2085

■ 84.1579, 0.3644,
0.3880

■ 13.2816, 0.1907,
0.1894

■ 89.3309, 0.3620,
0.3962

■ 11.4189, 0.1823,
0.1711

■ 94.7563, 0.3596,
0.4040

Harmonies

Analogous

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



42.1044, 0.3072, 0.3268



42.1044, 0.3076, 0.3249



42.1044, 0.3094, 0.3241

Triad

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



42.1044, 0.3076, 0.3249



42.1044, 0.3172, 0.3287



42.1044, 0.3134, 0.3335

Complementary

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



42.1044, 0.3076, 0.3249



42.5479, 0.3179, 0.3331

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.



42.1044, 0.3161, 0.3340



42.1044, 0.3076, 0.3249



42.1044, 0.3183, 0.3312

Square

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



42.1044, 0.3076, 0.3249



42.1044, 0.3149, 0.3263



42.1044, 0.3179, 0.3331



42.1044, 0.3105, 0.3318

Rectangle

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



42.1044, 0.3076, 0.3249



42.1044, 0.3111, 0.3243



42.1044, 0.3179, 0.3331



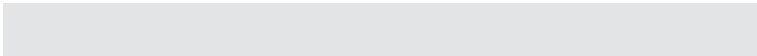
42.1044, 0.3143, 0.3338

Sweetspot

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



42.1062, 0.3076, 0.3249



77.7347, 0.3112, 0.3278



43.1544, 0.3100, 0.3332



16.8582, 0.3113, 0.3279



89.0005, 0.3127, 0.3290



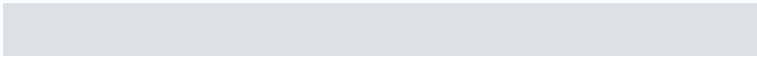
17.0645, 0.3127, 0.3290

Same Dimension

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



42.1062, 0.3076, 0.3249



74.7698, 0.3066, 0.3241



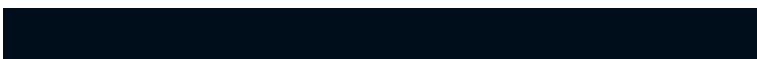
40.9830, 0.3077, 0.3209



9.4688, 0.3057, 0.3234



7.6121, 0.1782, 0.1613



0.3561, 0.1923, 0.2121

Inverse Universe

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



41.5201, 0.3156, 0.3249



73.5280, 0.3162, 0.3241



43.6955, 0.3176, 0.3370



9.2885, 0.3167, 0.3234



7.3086, 0.4914, 0.2481



0.2417, 0.4318, 0.2152

Previews

White Background



This preview shows how the Yxy color 42.1044, 0.3076, 0.3249 looks on a white background.

Color Contrast Check

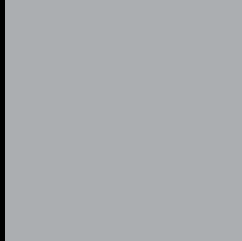
Large Text (above 18pt) WCAG AA × Fail

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 42.1044, 0.3076, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

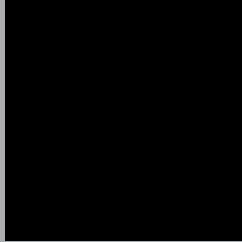
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

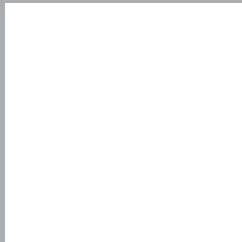
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1044, 0.3076, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 42.1044, 0.3076, 0.3249.



This preview shows how white text looks on a background with the Yxy color 42.1044, 0.3076, 0.3249.

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

42.1044, 0.3076, 0.3249

Protanopia

42.2518, 0.3129, 0.3250

Deuteranopia

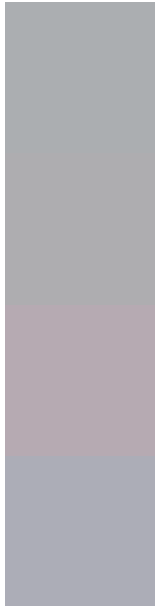
41.9110, 0.3225, 0.3160



Tritanopia

42.2030, 0.3013, 0.3115

Trichromacy



Original Color

42.1044, 0.3076, 0.3249

Protanomaly

42.0204, 0.3111, 0.3249

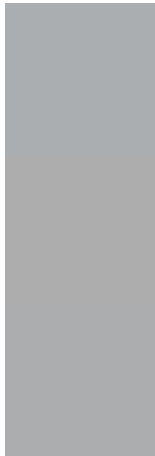
Deuteranomaly

41.9089, 0.3168, 0.3184

Tritanomaly

42.0767, 0.3037, 0.3155

Monochromacy



Original Color

42.1044, 0.3076, 0.3249

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.7138, 0.3110, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1044, 0.3076, 0.3249 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(171, 174, 177)` looks like.

```
.text, #text, p{  
    color:rgb(171, 174, 177)  
}
```

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(171, 174, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 174, 177) }
```

Border

The CSS property to change the border of an element to Yxy 42.1044, 0.3076, 0.3249 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(171, 174, 177) }
```

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

```
.border{ border-color:rgb(171, 174, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 174, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 174, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 174, 177);  
box-shadow:4px 4px 4px 4px rgb(171, 174,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1044, 0.3076, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 174, 177) }
```

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

```
.background{ background-color: rgb(171,  
174, 177) }
```

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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