

Converting Colors

$Y_{xy}(40.8786, 0.3213, 0.3470)$

Have a look what the booklet for
Yxy(40.8786, 0.3213, 0.3470)
contains.

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Color

Yxy(40.9713, 0.3209, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	AAADA0
RGB	170, 173, 160
RGB Percent	67%, 68%, 63%
CMY	0.3333, 0.3216, 0.3726
CMYK	0.02, 0.00, 0.08, 0.32
HSL	74°, 7%, 65%
HSV	74°, 8%, 68%
XYZ	37.8678, 40.9713, 39.1658
YIQ	170.6210, 2.3850, -4.6790

Conversions

Conversions Part 2

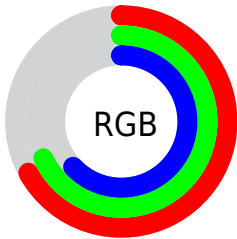
Format	Color
RYB	160, 173, 163
Decimal	11185568
CIELab	70.16, -3.45, 6.31
CIELCh	70, 7.188, 118.653
Yxy	40.9713, 0.3209, 0.3472
Android (android.graphics.Color)	4289375648 (0xFFAAADA0)
YUV	170.6210, -5.2362, -0.5446
Hunter-Lab	64.0088, -6.4144, 8.5277

Details

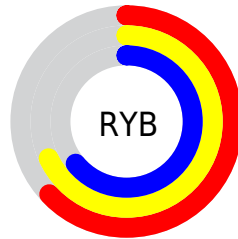
The Yxy color $40.9713, 0.3209, 0.3472$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $35.9404, 0.3042, 0.3104$, and the grayscale version is $40.5521, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.4007, 0.3190, 0.3430$, and $18.6304, 0.3229, 0.3524$ is the 20% darker color. If you saturate the color by 10%, you get $39.9730, 0.3319, 0.3726$, and if you desaturate by 10%, it is $42.0708, 0.3101, 0.3232$.

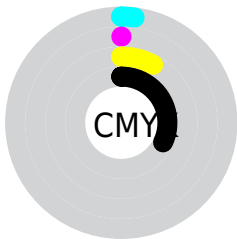
Distribution



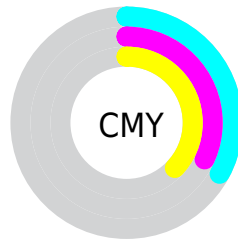
- Red (67%)
- Green (68%)
- Blue (63%)



- Red (63%)
- Yellow (68%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (32%)



- Cyan (33%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9713, 0.3209, 0.3472 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 40.9713, 0.3209, 0.3472 by changing the saturation by 10% instead.

■ 40.9713, 0.3209,
0.3472

■ 40.9713, 0.3209,
0.3472

350.2007, 0.3168,
0.3378

■ 28.2967, 0.3220,
0.3496

■ 76.6403, 0.3194,
0.3437

■ 18.5494, 0.3233,
0.3528

■ 100.4035, 0.3188,
0.3425

■ 11.3451, 0.3252,
0.3571

128.6316, 0.3183,
0.3414

■ 6.2995, 0.3278,
0.3634

161.7091, 0.3179,
0.3405

■ 3.0280, 0.3317,
0.3732

200.0204, 0.3176,
0.3397

■ 1.1464, 0.3397,
0.3923

243.9498, 0.3173,

■ 0.0172, 0.0000,

0.3390

1.0000

293.8818, 0.3170,
0.3384

0.0000, 0.0000,
0.0000

40.9713, 0.3209,
0.3472

40.9713, 0.3209,
0.3472

39.9730, 0.3319,
0.3726

42.0708, 0.3101,
0.3232

39.0670, 0.3429,
0.3988

43.2696, 0.2996,
0.3008

38.2512, 0.3533,
0.4253

44.5725, 0.2898,
0.2802

37.5216, 0.3627,
0.4510

45.9827, 0.2806,
0.2615

36.8736, 0.3706,
0.4750

47.5032, 0.2720,
0.2444

■ 36.3024, 0.3765,
0.4961

■ 48.5572, 0.2695,
0.2371

■ 35.8024, 0.3800,
0.5135

■ 49.0894, 0.2724,
0.2378

■ 35.3672, 0.3811,
0.5264

■ 49.6357, 0.2753,
0.2385

■ 34.9868, 0.3799,
0.5350

■ 50.1963, 0.2783,
0.2393

Harmonies

Analogous

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



40.9713, 0.3293, 0.3460



40.9713, 0.3209, 0.3472



40.9713, 0.3104, 0.3433

Triad

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



40.9713, 0.3209, 0.3472



40.9713, 0.2926, 0.3173



40.9713, 0.3248, 0.3227

Complementary

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



40.9713, 0.3209, 0.3472



35.9404, 0.3042, 0.3104

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.



40.9713, 0.3148, 0.3153



40.9713, 0.3209, 0.3472



40.9713, 0.2963, 0.3121

Square

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



40.9713, 0.3209, 0.3472



40.9713, 0.2942, 0.3258



40.9713, 0.3044, 0.3115



40.9713, 0.3316, 0.3317

Rectangle

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



40.9713, 0.3209, 0.3472



40.9713, 0.3036, 0.3384



40.9713, 0.3044, 0.3115



40.9713, 0.3217, 0.3199

Sweetspot

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



40.9731, 0.3209, 0.3472



74.4359, 0.3149, 0.3338



37.5494, 0.3249, 0.3330



16.1815, 0.3148, 0.3336



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.9731, 0.3209, 0.3472



73.0746, 0.3227, 0.3513



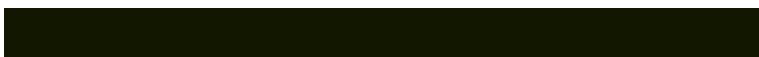
40.2838, 0.3151, 0.3475



9.2361, 0.3229, 0.3516



25.6629, 0.3799, 0.5366



0.7363, 0.3925, 0.5265

Inverse Universe

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



35.9404, 0.3042, 0.3104



62.2185, 0.3022, 0.3062



36.6260, 0.3101, 0.3108



7.8427, 0.3020, 0.3058



2.5660, 0.1637, 0.0675



0.0957, 0.1947, 0.0846

Previews

White Background



This preview shows how the Yxy color 40.9713, 0.3209, 0.3472 looks on a white background.

Color Contrast Check

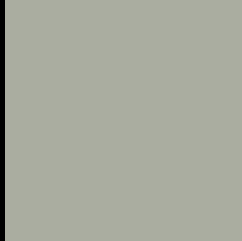
Large Text (above 18pt) WCAG AA × Fail

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 40.9713, 0.3209, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

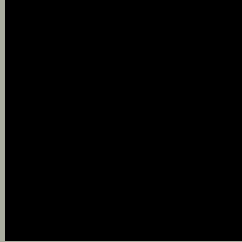
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

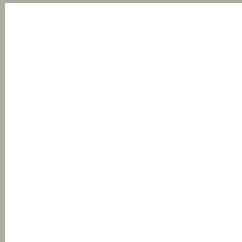
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9713, 0.3209, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 40.9713, 0.3209, 0.3472.



This preview shows how white text looks on a background with the Yxy color 40.9713, 0.3209, 0.3472.

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

40.9713, 0.3209, 0.3472

Protanopia

40.9761, 0.3285, 0.3455

Deuteranopia

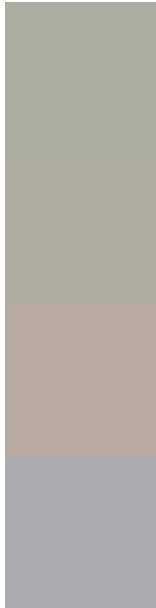
41.0521, 0.3418, 0.3357



Tritanopia

41.0526, 0.3046, 0.3114

Trichromacy



Original Color

40.9713, 0.3209, 0.3472

Protanomaly

41.0069, 0.3255, 0.3470

Deuteranomaly

41.1395, 0.3336, 0.3398

Tritanomaly

40.9916, 0.3103, 0.3235

Monochromacy



Original Color

40.9713, 0.3209, 0.3472

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9530, 0.3160, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9713, 0.3209, 0.3472 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(170, 173, 160)` looks like.

```
.text, #text, p{  
    color:rgb(170, 173, 160)  
}
```

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(170, 173, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 173, 160) }
```

Border

The CSS property to change the border of an element to Yxy 40.9713, 0.3209, 0.3472 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(170, 173, 160) }
```

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

```
.border{ border-color:rgb(170, 173, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 173, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 173, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 173, 160);  
box-shadow:4px 4px 4px 4px rgb(170, 173,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9713, 0.3209, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 173, 160) }
```

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

```
.background{ background-color: rgb(170,  
173, 160) }
```

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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