

Converting Colors

$Y_{xy}(42.7249, 0.3108, 0.3358)$

Have a look what the booklet for
Yxy(42.7249, 0.3108, 0.3358)
contains.

Yxy(42.9689, 0.3107, 0.3358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.9689, 0.3107, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	AAB1AC
RGB	170, 177, 172
RGB Percent	67%, 69%, 67%
CMY	0.3331, 0.3059, 0.3254
CMYK	0.04, 0.00, 0.03, 0.31
HSL	137°, 4%, 68%
HSV	137°, 4%, 69%
XYZ	39.7571, 42.9689, 45.2338
YIQ	174.3370, -2.5670, -3.0390

Conversions

Conversions Part 2

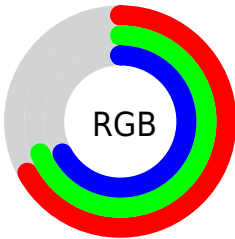
Format	Color
RYB	170, 175, 177
Decimal	11186604
CIELab	71.53, -3.37, 1.69
CIElCh	72, 3.766, 153.376
Yxy	42.9689, 0.3107, 0.3358
Android (android.graphics.Color)	4289376684 (0xFFAAB1AC)
YUV	174.3370, -1.1521, -3.8035
Hunter-Lab	65.5507, -6.4517, 4.9719

Details

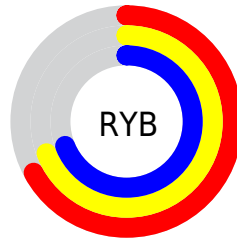
The Yxy color $42.9689, 0.3107, 0.3358$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $41.2156, 0.3148, 0.3223$, and the grayscale version is $42.5226, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.8314, 0.3111, 0.3353$, and $19.6229, 0.3100, 0.3366$ is the 20% darker color. If you saturate the color by 10%, you get $40.6627, 0.3055, 0.3548$, and if you desaturate by 10%, it is $45.5911, 0.3158, 0.3191$.

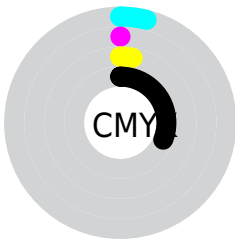
Distribution



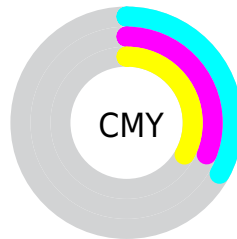
- Red (67%)
- Green (69%)
- Blue (67%)



- Red (67%)
- Yellow (69%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (33%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9689, 0.3107, 0.3358 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 42.9689, 0.3107, 0.3358 by changing the saturation by 10% instead.

■ 42.9689, 0.3107,
0.3358

■ 42.9689, 0.3107,
0.3358

■ 358.4839, 0.3117,
0.3323

■ 29.8607, 0.3104,
0.3367

■ 79.6639, 0.3111,
0.3345

■ 19.7329, 0.3101,
0.3378

■ 104.0196, 0.3112,
0.3341

■ 12.2010, 0.3096,
0.3394

■ 132.8931, 0.3113,
0.3337

■ 6.8807, 0.3089,
0.3416

■ 166.6690, 0.3114,
0.3333

■ 3.3876, 0.3079,
0.3450

■ 205.7317, 0.3115,
0.3330

■ 1.3373, 0.3061,
0.3510

■ 250.4654, 0.3116,

■ 0.1698, 0.2507,

0.3328

0.5375

301.2547, 0.3117,
0.3325

0.0000, 0.0000,
0.0000

42.9689, 0.3107,
0.3358

42.9689, 0.3107,
0.3358

40.6627, 0.3055,
0.3548

45.5911, 0.3158,
0.3191

38.6552, 0.3005,
0.3760

48.5350, 0.3208,
0.3044

36.9356, 0.2957,
0.3994

51.8131, 0.3256,
0.2916

35.4904, 0.2915,
0.4248

55.4355, 0.3301,
0.2804

34.3051, 0.2882,
0.4515

58.7311, 0.3314,
0.2702

■ 33.3635, 0.2860,
0.4789

■ 59.4952, 0.3214,
0.2586

■ 32.6479, 0.2852,
0.5056

■ 59.9185, 0.3163,
0.2527

■ 32.1379, 0.2859,
0.5304

■ 31.8092, 0.2882,
0.5520

Harmonies

Analogous

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



42.9689, 0.3162, 0.3382



42.9689, 0.3107, 0.3358



42.9689, 0.3058, 0.3316

Triad

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



42.9689, 0.3107, 0.3358



42.9689, 0.3047, 0.3201



42.9689, 0.3228, 0.3312

Complementary

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



42.9689, 0.3107, 0.3358



41.2156, 0.3148, 0.3223

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.



42.9689, 0.3197, 0.3265



42.9689, 0.3107, 0.3358



42.9689, 0.3092, 0.3200

Square

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



42.9689, 0.3107, 0.3358



42.9689, 0.3024, 0.3225



42.9689, 0.3147, 0.3224



42.9689, 0.3232, 0.3355

Rectangle

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



42.9689, 0.3107, 0.3358



42.9689, 0.3035, 0.3283



42.9689, 0.3147, 0.3224



42.9689, 0.3220, 0.3296

Sweetspot

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



42.9707, 0.3107, 0.3358



78.2731, 0.3122, 0.3307



43.4733, 0.3167, 0.3384



16.9685, 0.3122, 0.3306



89.0005, 0.3127, 0.3290



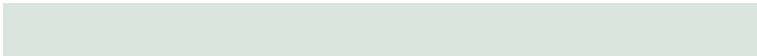
17.0645, 0.3127, 0.3290

Same Dimension

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



42.9707, 0.3107, 0.3358



76.4591, 0.3101, 0.3379



43.1014, 0.3080, 0.3312



9.7287, 0.3098, 0.3388



22.9574, 0.2893, 0.5615



0.7326, 0.2730, 0.5028

Inverse Universe

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



41.2156, 0.3148, 0.3223



72.4020, 0.3154, 0.3203



41.0852, 0.3176, 0.3268



9.1609, 0.3157, 0.3194



7.8966, 0.4062, 0.2011



0.2578, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 42.9689, 0.3107, 0.3358 looks on a white background.

Color Contrast Check

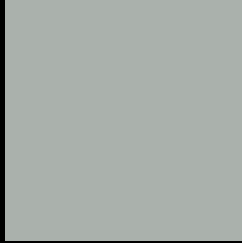
Large Text (above 18pt) WCAG AA × Fail

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 42.9689, 0.3107, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

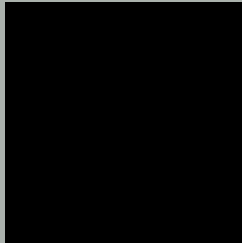
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

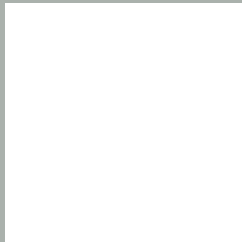
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9689, 0.3107, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 42.9689, 0.3107, 0.3358.



This preview shows how white text looks on a background with the Yxy color 42.9689, 0.3107, 0.3358.

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

42.9689, 0.3107, 0.3358

Protanopia

42.7581, 0.3205, 0.3344

Deuteranopia

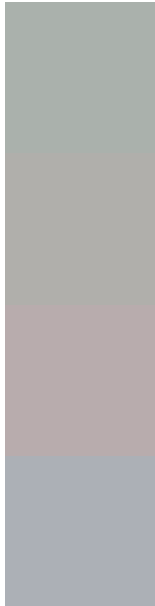
42.6384, 0.3296, 0.3226



Tritanopia

43.1750, 0.3006, 0.3117

Trichromacy



Original Color

42.9689, 0.3107, 0.3358

Protanomaly

42.8303, 0.3169, 0.3344

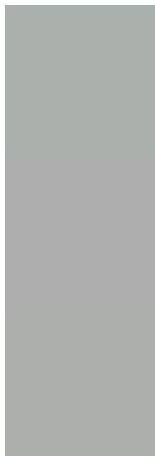
Deuteranomaly

42.7125, 0.3227, 0.3277

Tritanomaly

43.1987, 0.3044, 0.3209

Monochromacy



Original Color

42.9689, 0.3107, 0.3358

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.5613, 0.3126, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9689, 0.3107, 0.3358 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, 177, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 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(170, 177, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 172) }
```

Border

The CSS property to change the border of an element to Yxy 42.9689, 0.3107, 0.3358 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, 177, 172) }
```

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

```
.border{ border-color:rgb(170, 177, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9689, 0.3107, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 172) }
```

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

```
.background{ background-color: rgb(170,  
177, 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