

Converting Colors

$Y_{xy}(42.1875, 0.3150, 0.3341)$

Have a look what the booklet for
Yxy(42.1875, 0.3150, 0.3341)
contains.

Yxy(42.0586, 0.3151, 0.3345)	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(42.0586, 0.3151, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	ADAEEA
RGB	173, 174, 170
RGB Percent	68%, 68%, 67%
CMY	0.3217, 0.3176, 0.3333
CMYK	0.01, 0.00, 0.02, 0.32
HSL	76°, 2%, 67%
HSV	76°, 2%, 68%
XYZ	39.6193, 42.0586, 44.0578
YIQ	173.2450, 0.6880, -1.4560

Conversions

Conversions Part 2

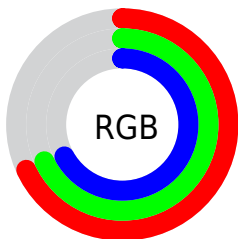
Format	Color
RYB	170, 174, 171
Decimal	11382442
CIELab	70.91, -1.12, 1.92
CIElCh	71, 2.220, 120.175
Yxy	42.0586, 0.3151, 0.3345
Android (android.graphics.Color)	4289572522 (0xFFADAEEA)
YUV	173.2450, -1.5998, -0.2149
Hunter-Lab	64.8526, -4.4440, 5.1180

Details

The Yxy color **42.0586, 0.3151, 0.3345** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.4676, 0.3103, 0.3235**, and the grayscale version is **41.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9688, 0.3146, 0.3332**, and **19.2920, 0.3161, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **40.9363, 0.3256, 0.3593**, and if you desaturate by 10%, it is **43.2893, 0.3049, 0.3113**.

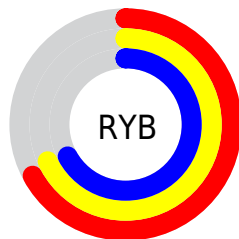
Distribution



Red (68%)

Green (68%)

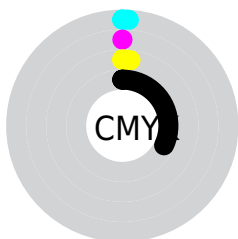
Blue (67%)



Red (67%)

Yellow (68%)

Blue (67%)

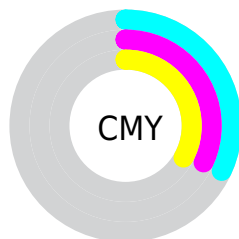


Cyan (1%)

Magenta (0%)

Yellow (2%)

Black (32%)



Cyan (32%)


Magenta (32%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0586, 0.3151, 0.3345 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 42.0586, 0.3151, 0.3345 by changing the saturation by 10% instead.


 42.0586, 0.3151,
0.3345

 42.0586, 0.3151,
0.3345

354.7258, 0.3139,
0.3317

 29.1472, 0.3154,
0.3352


 78.2883, 0.3147,
0.3335

 19.1922, 0.3158,
0.3361


102.3754, 0.3145,
0.3331

 11.8092, 0.3163,
0.3374

130.9565, 0.3144,
0.3328

 6.6139, 0.3171,
0.3392

164.4159, 0.3142,
0.3325

 3.2218, 0.3183,
0.3420

203.1382, 0.3141,
0.3323

 1.2486, 0.3203,
0.3469

247.5077, 0.3140,

 0.1009, 0.4049,

0.3320

0.5951

297.9088, 0.3140,
0.3319

0.0000, 0.0000,
0.0000

42.0586, 0.3151,
0.3345

42.0586, 0.3151,
0.3345

40.9363, 0.3256,
0.3593

43.2893, 0.3049,
0.3113

39.9133, 0.3361,
0.3853

44.6263, 0.2952,
0.2899

38.9878, 0.3463,
0.4120

46.0747, 0.2861,
0.2704

38.1556, 0.3557,
0.4386

47.6375, 0.2775,
0.2527

37.4123, 0.3639,
0.4642

49.1879, 0.2709,
0.2385

■ 36.7531, 0.3703,
0.4875

■ 49.8044, 0.2742,
0.2394

■ 36.1728, 0.3746,
0.5076

■ 50.4394, 0.2776,
0.2402

■ 35.6652, 0.3764,
0.5235

■ 51.0932, 0.2810,
0.2410

■ 35.2231, 0.3758,
0.5348

■ 51.7658, 0.2844,
0.2419

Harmonies

Analogous

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



42.0586, 0.3177, 0.3343



42.0586, 0.3151, 0.3345



42.0586, 0.3119, 0.3332

Triad

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



42.0586, 0.3151, 0.3345



42.0586, 0.3065, 0.3254



42.0586, 0.3166, 0.3272

Complementary

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



42.0586, 0.3151, 0.3345



40.4676, 0.3103, 0.3235

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.



42.0586, 0.3136, 0.3249



42.0586, 0.3151, 0.3345



42.0586, 0.3078, 0.3238

Square

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



42.0586, 0.3151, 0.3345



42.0586, 0.3069, 0.3279



42.0586, 0.3103, 0.3236



42.0586, 0.3185, 0.3301

Rectangle

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



42.0586, 0.3151, 0.3345



42.0586, 0.3098, 0.3317



42.0586, 0.3103, 0.3236



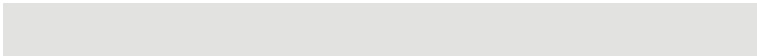
42.0586, 0.3156, 0.3263

Sweetspot

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



42.0604, 0.3151, 0.3345



76.5563, 0.3138, 0.3314



41.0287, 0.3163, 0.3304



17.0181, 0.3137, 0.3313



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.



42.0604, 0.3151, 0.3345



76.1212, 0.3159, 0.3363



41.8380, 0.3133, 0.3345



9.3648, 0.3166, 0.3379



25.3498, 0.3746, 0.5408



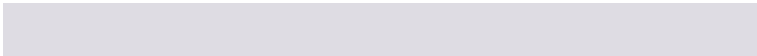
0.7297, 0.3889, 0.5294

Inverse Universe

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



40.4676, 0.3103, 0.3235



72.3205, 0.3095, 0.3217



40.6901, 0.3121, 0.3235



8.7964, 0.3088, 0.3200



2.6525, 0.1669, 0.0693



0.1003, 0.2001, 0.0876

Previews

White Background



This preview shows how the Yxy color 42.0586, 0.3151, 0.3345 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 42.0586, 0.3151, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

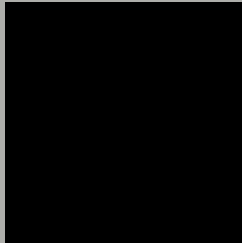
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

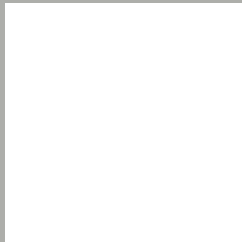
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0586, 0.3151, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 42.0586, 0.3151, 0.3345.



This preview shows how white text looks on a background with the Yxy color 42.0586, 0.3151, 0.3345.

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

42.0586, 0.3151, 0.3345

Protanopia

42.0988, 0.3197, 0.3344

Deuteranopia

42.0219, 0.3315, 0.3251



Tritanopia

42.1218, 0.3047, 0.3116

Trichromacy



Original Color

42.0586, 0.3151, 0.3345

Protanomaly

41.9818, 0.3187, 0.3345

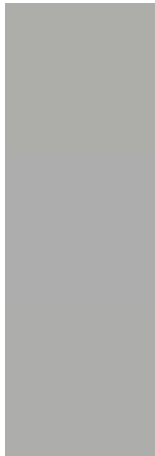
Deuteranomaly

41.8801, 0.3247, 0.3277

Tritanomaly

42.1811, 0.3079, 0.3196

Monochromacy



Original Color

42.0586, 0.3151, 0.3345

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.7499, 0.3135, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0586, 0.3151, 0.3345 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(173, 174, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 174, 170)  
}
```

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(173, 174, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 174, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.0586, 0.3151, 0.3345 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(173, 174, 170) }
```

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

```
.border{ border-color:rgb(173, 174, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 174, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 174, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 174, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 174,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0586, 0.3151, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 174, 170) }
```

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

```
.background{ background-color: rgb(173,  
174, 170) }
```

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