

Converting Colors

$Y_{xy}(45.1644, 0.3329, 0.3354)$

Have a look what the booklet for
Yxy(45.1644, 0.3329, 0.3354)
contains.

Yxy(44.9377, 0.3322, 0.3342)	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(44.9377, 0.3322, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	C1AFAB
RGB	193, 175, 171
RGB Percent	76%, 69%, 67%
CMY	0.2433, 0.3137, 0.3293
CMYK	0.00, 0.09, 0.11, 0.24
HSL	11°, 15%, 71%
HSV	11°, 11%, 76%
XYZ	44.6688, 44.9377, 44.8570
YIQ	179.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

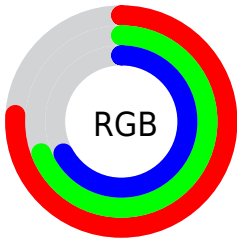
Format	Color
RYB	193, 176, 171
Decimal	12693419
CIELab	72.85, 5.76, 4.37
CIElCh	73, 7.234, 37.203
Yxy	44.9377, 0.3322, 0.3342
Android (android.graphics.Color)	4290883499 (0xFFC1AFAB)
YUV	179.9260, -4.4005, 11.4659
Hunter-Lab	67.0356, 1.6302, 7.2509

Details

The Yxy color $44.9377, 0.3322, 0.3342$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.8949, 0.2954, 0.3237$, and the grayscale version is $45.6192, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9668, 0.3291, 0.3341$, and $20.9868, 0.3373, 0.3361$ is the 20% darker color. If you saturate the color by 10%, you get $38.4657, 0.3532, 0.3391$, and if you desaturate by 10%, it is $52.2396, 0.3149, 0.3296$.

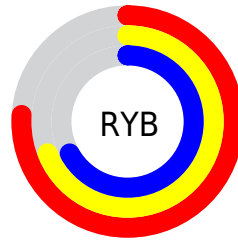
Distribution



Red (76%)

Green (69%)

Blue (67%)



Red (76%)

Yellow (69%)

Blue (67%)

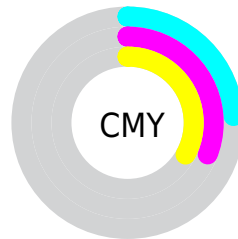


Cyan (0%)

Magenta (9%)

Yellow (11%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9377, 0.3322, 0.3342 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 44.9377, 0.3322, 0.3342 by changing the saturation by 10% instead.


 44.9377, 0.3322,
0.3342

 44.9377, 0.3322,
0.3342


366.5212, 0.3224,
0.3317

 31.4084, 0.3347,
0.3348

 82.6269, 0.3286,
0.3333

 20.9100, 0.3379,
0.3356


107.5556, 0.3273,
0.3329

 13.0582, 0.3422,
0.3366


137.0528, 0.3261,
0.3327

 7.4687, 0.3484,
0.3380

171.5030, 0.3251,
0.3324

 3.7569, 0.3577,
0.3400

211.2905, 0.3243,
0.3322

 1.5385, 0.3735,
0.3431

256.7998, 0.3236,

 0.3156, 0.5549,

0.3320

0.3974

308.4152, 0.3229,
0.3318

0.0000, 0.0000,
0.0000

44.9377, 0.3322,
0.3342

44.9377, 0.3322,
0.3342

38.4657, 0.3532,
0.3391

52.2396, 0.3149,
0.3296

32.7883, 0.3786,
0.3442

60.3933, 0.3005,
0.3254

27.8766, 0.4089,
0.3491

69.4271, 0.2887,
0.3215

23.6974, 0.4442,
0.3535

79.3665, 0.2788,
0.3180

20.2154, 0.4840,
0.3567

89.4039, 0.2767,
0.3278

■ 17.3919, 0.5260,
0.3577

■ 90.0736, 0.2768,
0.3289

■ 15.1846, 0.5663,
0.3559

■ 13.5461, 0.5999,
0.3507

■ 12.5417, 0.6212,
0.3449

Harmonies

Analogous

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



44.9377, 0.3269, 0.3253



44.9377, 0.3322, 0.3342



44.9377, 0.3322, 0.3420

Triad

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



44.9377, 0.3322, 0.3342



44.9377, 0.3075, 0.3411



44.9377, 0.2985, 0.3119

Complementary

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



44.9377, 0.3322, 0.3342



48.8949, 0.2954, 0.3237

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.



44.9377, 0.2936, 0.3158



44.9377, 0.3322, 0.3342



44.9377, 0.2987, 0.3326

Square

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



44.9377, 0.3322, 0.3342



44.9377, 0.3179, 0.3462



44.9377, 0.2936, 0.3233



44.9377, 0.3073, 0.3125

Rectangle

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



44.9377, 0.3322, 0.3342



44.9377, 0.3292, 0.3454



44.9377, 0.2936, 0.3233



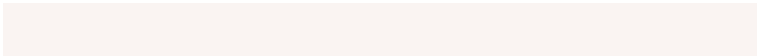
44.9377, 0.2964, 0.3127

Sweetspot

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



44.9397, 0.3322, 0.3342



91.3016, 0.3175, 0.3304



44.1548, 0.3171, 0.3059



19.3521, 0.3189, 0.3307



97.7402, 0.3127, 0.3290



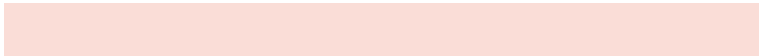
20.4902, 0.3127, 0.3290

Same Dimension

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



44.9397, 0.3322, 0.3342



77.0673, 0.3378, 0.3356



49.2469, 0.3306, 0.3477



10.3677, 0.3284, 0.3333



8.4304, 0.6194, 0.3464



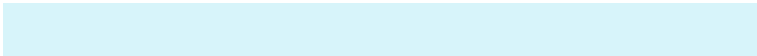
0.4567, 0.5785, 0.3788

Inverse Universe

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



48.8949, 0.2954, 0.3237



85.7524, 0.2911, 0.3223



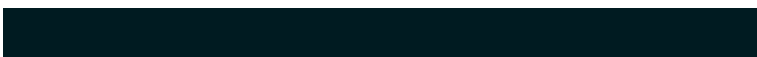
44.4842, 0.2952, 0.3096



11.1068, 0.2984, 0.3247



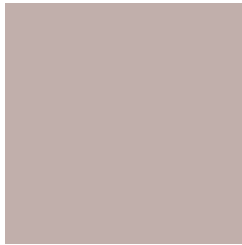
18.9085, 0.2085, 0.2704



0.9000, 0.2125, 0.2849

Previews

White Background



This preview shows how the Yxy color 44.9377, 0.3322, 0.3342 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 44.9377, 0.3322, 0.3342 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 44.9377, 0.3322, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 44.9377, 0.3322, 0.3342.



This preview shows how white text looks on a background with the Yxy color 44.9377, 0.3322, 0.3342.

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

44.9377, 0.3322, 0.3342

Protanopia

44.9252, 0.3212, 0.3356

Deuteranopia

44.9695, 0.3381, 0.3316



Tritanopia

45.0344, 0.3215, 0.3126

Trichromacy



Original Color

44.9377, 0.3322, 0.3342

Protanomaly

44.9876, 0.3257, 0.3356

Deuteranomaly

45.0827, 0.3361, 0.3329

Tritanomaly

45.0776, 0.3247, 0.3201

Monochromacy



Original Color

44.9377, 0.3322, 0.3342

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3294, 0.3196, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9377, 0.3322, 0.3342 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(193, 175, 171)` looks like.

```
.text, #text, p{  
    color:rgb(193, 175, 171)  
}
```

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(193, 175, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 175, 171) }
```

Border

The CSS property to change the border of an element to Yxy 44.9377, 0.3322, 0.3342 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(193, 175, 171) }
```

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

```
.border{ border-color:rgb(193, 175, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 175, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 175, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 175, 171);  
box-shadow:4px 4px 4px 4px rgb(193, 175,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9377, 0.3322, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 175, 171) }
```

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

```
.background{ background-color: rgb(193,  
175, 171) }
```

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