

Converting Colors

$Y_{xy}(41.8202, 0.3659, 0.3740)$

Have a look what the booklet for
Yxy(41.8202, 0.3659, 0.3740)
contains.

Yxy(41.9964, 0.3657, 0.3740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9964, 0.3657, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	C2AA88
RGB	194, 170, 136
RGB Percent	76%, 67%, 53%
CMY	0.2392, 0.3333, 0.4667
CMYK	0.00, 0.12, 0.30, 0.24
HSL	35°, 32%, 65%
HSV	35°, 30%, 76%
XYZ	41.0644, 41.9964, 29.2290
YIQ	173.3000, 25.2180, -5.4860

Conversions

Conversions Part 2

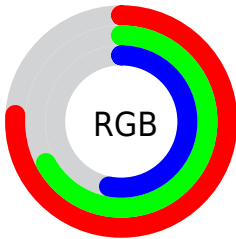
Format	Color
RYB	177, 194, 136
Decimal	12757640
CIELab	70.87, 3.56, 20.76
CIELCh	71, 21.058, 80.278
Yxy	41.9964, 0.3657, 0.3740
Android (android.graphics.Color)	4290947720 (0xFFC2AA88)
YUV	173.3000, -18.3889, 18.1539
Hunter-Lab	64.8046, -0.2990, 18.6215

Details

The Yxy color $41.9964, 0.3657, 0.3740$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $34.2590, 0.2646, 0.2793$, and the grayscale version is $42.0364, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.0338, 0.3561, 0.3661$, and $19.2042, 0.3818, 0.3865$ is the 20% darker color. If you saturate the color by 10%, you get $38.5795, 0.3872, 0.3895$, and if you desaturate by 10%, it is $45.7005, 0.3461, 0.3584$.

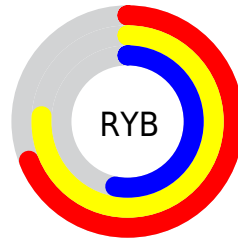
Distribution



Red (76%)

Green (67%)

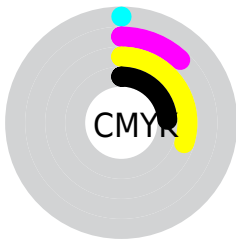
Blue (53%)



Red (69%)

Yellow (76%)

Blue (53%)

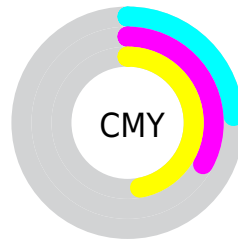


Cyan (0%)

Magenta (12%)

Yellow (30%)

Black (24%)



Cyan (24%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9964, 0.3657, 0.3740 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 41.9964, 0.3657, 0.3740 by changing the saturation by 10% instead.


 41.9964, 0.3657,
0.3740


 41.9964, 0.3657,
0.3740


354.4680, 0.3388,
0.3515


 29.0985, 0.3725,
0.3796


 78.1942, 0.3558,
0.3658

 19.1553, 0.3813,
0.3866


 102.2628, 0.3522,
0.3628

 11.7826, 0.3929,
0.3959


 130.8238, 0.3490,
0.3602

 6.5958, 0.4091,
0.4084

164.2616, 0.3464,
0.3579

 3.2106, 0.4325,
0.4258

202.9605, 0.3441,
0.3560

 1.2427, 0.5100,
0.4900

247.3049, 0.3421,

 0.0961, 0.6495,

0.3543

0.3505

297.6793, 0.3403,
0.3528

0.0000, 0.0000,
0.0000

41.9964, 0.3657,
0.3740

41.9964, 0.3657,
0.3740

38.5795, 0.3872,
0.3895

45.7005, 0.3461,
0.3584

35.4353, 0.4101,
0.4041

49.6942, 0.3284,
0.3433

32.5566, 0.4338,
0.4168

53.9870, 0.3126,
0.3289

29.9334, 0.4574,
0.4266

58.5865, 0.2986,
0.3153

27.5547, 0.4796,
0.4321

63.4996, 0.2863,
0.3028

■ 25.4080, 0.4992,
0.4327

■ 68.7331, 0.2754,
0.2913

■ 23.4725, 0.5158,
0.4286

■ 73.1652, 0.2747,
0.2976

■ 23.4541, 0.5160,
0.4285

■ 77.6339, 0.2754,
0.3065

■ 82.3095, 0.2762,
0.3152

Harmonies

Analogous

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



41.9964, 0.3735, 0.3535



41.9964, 0.3657, 0.3740



41.9964, 0.3435, 0.3834

Triad

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



41.9964, 0.3657, 0.3740



41.9964, 0.2637, 0.3264



41.9964, 0.3093, 0.2866

Complementary

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



41.9964, 0.3657, 0.3740



34.2590, 0.2646, 0.2793

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.



41.9964, 0.2808, 0.2789



41.9964, 0.3657, 0.3740



41.9964, 0.2555, 0.3000

Square

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



41.9964, 0.3657, 0.3740



41.9964, 0.2846, 0.3554



41.9964, 0.2616, 0.2832



41.9964, 0.3401, 0.3043

Rectangle

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



41.9964, 0.3657, 0.3740



41.9964, 0.3240, 0.3809



41.9964, 0.2616, 0.2832



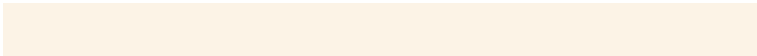
41.9964, 0.2992, 0.2828

Sweetspot

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



41.9983, 0.3657, 0.3740



90.6122, 0.3271, 0.3422



31.6165, 0.3513, 0.2969



19.5993, 0.3296, 0.3444



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.9983, 0.3657, 0.3740



71.9095, 0.3798, 0.3844



51.1961, 0.3531, 0.4039



11.0375, 0.3275, 0.3425



15.5867, 0.5143, 0.4298



0.8067, 0.4877, 0.4510

Inverse Universe

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



34.2590, 0.2646, 0.2793



55.6063, 0.2532, 0.2661



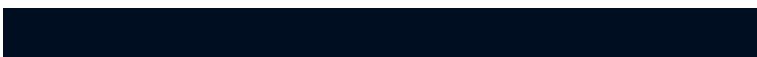
27.1464, 0.2648, 0.2438



10.4168, 0.2984, 0.3151



6.5069, 0.1700, 0.1321



0.4169, 0.1825, 0.1771

Previews

White Background



This preview shows how the Yxy color 41.9964, 0.3657, 0.3740 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 41.9964, 0.3657, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

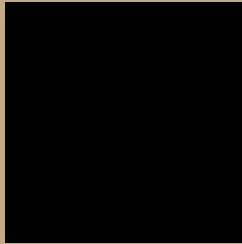
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9964, 0.3657, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 41.9964, 0.3657, 0.3740.



This preview shows how white text looks on a background with the Yxy color 41.9964, 0.3657, 0.3740.

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

41.9964, 0.3657, 0.3740

Protanopia

42.0076, 0.3550, 0.3779

Deuteranopia

42.1401, 0.3748, 0.3676



Tritanopia

41.8674, 0.3342, 0.3126

Trichromacy



Original Color

41.9964, 0.3657, 0.3740

Protanomaly

42.0026, 0.3582, 0.3761

Deuteranomaly

42.0908, 0.3714, 0.3693

Tritanomaly

41.7514, 0.3457, 0.3343

Monochromacy



Original Color

41.9964, 0.3657, 0.3740

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8669, 0.3312, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9964, 0.3657, 0.3740 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(194, 170, 136)` looks like.

```
.text, #text, p{  
    color:rgb(194, 170, 136)  
}
```

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(194, 170, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 170, 136) }
```

Border

The CSS property to change the border of an element to Yxy 41.9964, 0.3657, 0.3740 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(194, 170, 136) }
```

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

```
.border{ border-color:rgb(194, 170, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 170, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 170, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 170, 136);  
box-shadow:4px 4px 4px 4px rgb(194, 170,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9964, 0.3657, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 170, 136) }
```

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

```
.background{ background-color: rgb(194,  
170, 136) }
```

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