

Converting Colors

$Y_{xy}(42.1528, 0.3205, 0.3193)$

Have a look what the booklet for
Yxy(42.1528, 0.3205, 0.3193)
contains.

Yxy(42.2381, 0.3204, 0.3198)	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(42.2381, 0.3204, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	B9AAB1
RGB	185, 170, 177
RGB Percent	73%, 67%, 69%
CMY	0.2745, 0.3333, 0.3058
CMYK	0.00, 0.08, 0.04, 0.27
HSL	332°, 10%, 70%
HSV	332°, 8%, 73%
XYZ	42.3173, 42.2381, 47.5212
YIQ	175.2830, 6.6930, 5.3570

Conversions

Conversions Part 2

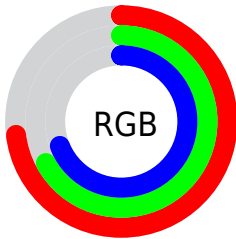
Format	Color
RYB	185, 170, 177
Decimal	12167857
CIELab	71.03, 6.64, -1.65
CIELCh	71, 6.846, 346.079
Yxy	42.2381, 0.3204, 0.3198
Android (android.graphics.Color)	4290357937 (0xFFB9AAB1)
YUV	175.2830, 0.8465, 8.5218
Hunter-Lab	64.9908, 2.4923, 2.1409

Details

The Yxy color $42.2381, 0.3204, 0.3198$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $46.4559, 0.3056, 0.3384$, and the grayscale version is $43.0176, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4344, 0.3187, 0.3208$, and $19.3176, 0.3234, 0.3182$ is the 20% darker color. If you saturate the color by 10%, you get $35.4059, 0.3317, 0.3079$, and if you desaturate by 10%, it is $50.0784, 0.3111, 0.3311$.

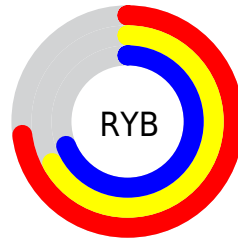
Distribution



Red (73%)

Green (67%)

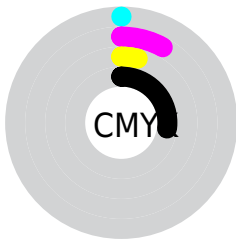
Blue (69%)



Red (73%)

Yellow (67%)

Blue (69%)

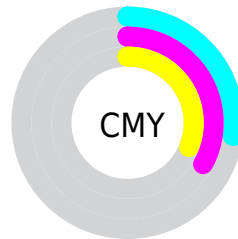


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2381, 0.3204, 0.3198 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 42.2381, 0.3204, 0.3198 by changing the saturation by 10% instead.


 42.2381, 0.3204,
0.3198

 42.2381, 0.3204,
0.3198

355.4690, 0.3165,
0.3245

 29.2878, 0.3214,
0.3186


 78.5599, 0.3190,
0.3215

 19.2986, 0.3227,
0.3171


102.7001, 0.3184,
0.3221

 11.8863, 0.3244,
0.3150


131.3390, 0.3180,
0.3227

 6.6663, 0.3268,
0.3122

164.8612, 0.3176,
0.3231

 3.2543, 0.3306,
0.3077

203.6508, 0.3173,
0.3235

 1.2659, 0.3370,
0.3002

248.0924, 0.3170,

 0.1146, 0.4334,

0.3239

0.1831

298.5703, 0.3167,
0.3242

0.0000, 0.0000,
0.0000

42.2381, 0.3204,
0.3198

42.2381, 0.3204,
0.3198

35.4059, 0.3317,
0.3079

50.0784, 0.3111,
0.3311

29.5351, 0.3452,
0.2955

58.9600, 0.3034,
0.3416

24.5835, 0.3614,
0.2831

68.9213, 0.2970,
0.3513

20.5038, 0.3804,
0.2713

79.9974, 0.2918,
0.3602

17.2442, 0.4022,
0.2610

87.3404, 0.2871,
0.3606

■ 14.7474, 0.4266,
0.2533

■ 87.8981, 0.2820,
0.3495

■ 12.9487, 0.4527,
0.2495

■ 88.4874, 0.2770,
0.3386

■ 11.7726, 0.4793,
0.2507

■ 89.0535, 0.2726,
0.3289

■ 11.0993, 0.5050,
0.2569

Harmonies

Analogous

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



42.2381, 0.3104, 0.3141



42.2381, 0.3204, 0.3198



42.2381, 0.3284, 0.3279

Triad

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



42.2381, 0.3204, 0.3198



42.2381, 0.3242, 0.3463



42.2381, 0.2937, 0.3211

Complementary

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



42.2381, 0.3204, 0.3198



46.4559, 0.3056, 0.3384

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.



42.2381, 0.2973, 0.3298



42.2381, 0.3204, 0.3198



42.2381, 0.3148, 0.3446

Square

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



42.2381, 0.3204, 0.3198



42.2381, 0.3305, 0.3432



42.2381, 0.3049, 0.3385



42.2381, 0.2952, 0.3147

Rectangle

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



42.2381, 0.3204, 0.3198



42.2381, 0.3314, 0.3337



42.2381, 0.3049, 0.3385



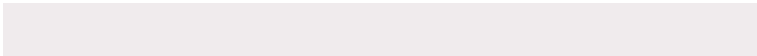
42.2381, 0.2944, 0.3238

Sweetspot

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



42.2399, 0.3204, 0.3198



83.9586, 0.3145, 0.3267



41.6897, 0.3072, 0.3091



18.1324, 0.3144, 0.3269



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.2399, 0.3204, 0.3198



72.9884, 0.3226, 0.3174



42.0615, 0.3264, 0.3294



9.0802, 0.3217, 0.3184



7.4998, 0.5069, 0.2566



0.2769, 0.4468, 0.2235

Inverse Universe

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



42.2399, 0.3204, 0.3198



72.9884, 0.3226, 0.3174



46.6400, 0.3004, 0.3286



9.0802, 0.3217, 0.3184



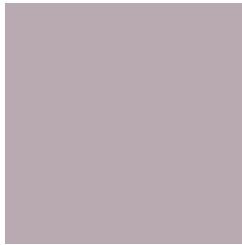
7.4998, 0.5069, 0.2566



0.2769, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 42.2381, 0.3204, 0.3198 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 42.2381, 0.3204, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

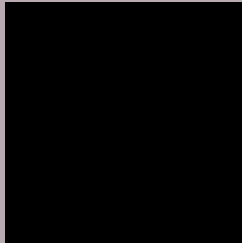
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2381, 0.3204, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 42.2381, 0.3204, 0.3198.



This preview shows how white text looks on a background with the Yxy color 42.2381, 0.3204, 0.3198.

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

42.2381, 0.3204, 0.3198

Protanopia

42.3719, 0.3104, 0.3209

Deuteranopia

42.3691, 0.3242, 0.3186



Tritanopia

42.1924, 0.3171, 0.3120

Trichromacy



Original Color

42.2381, 0.3204, 0.3198

Protanomaly

42.3031, 0.3140, 0.3210

Deuteranomaly

42.2416, 0.3233, 0.3186

Tritanomaly

42.1103, 0.3188, 0.3146

Monochromacy



Original Color

42.2381, 0.3204, 0.3198

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.6054, 0.3156, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2381, 0.3204, 0.3198 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(185, 170, 177)` looks like.

```
.text, #text, p{  
    color:rgb(185, 170, 177)  
}
```

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(185, 170, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 170, 177) }
```

Border

The CSS property to change the border of an element to Yxy 42.2381, 0.3204, 0.3198 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(185, 170, 177) }
```

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

```
.border{ border-color:rgb(185, 170, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 170, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 170, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 170, 177);  
box-shadow:4px 4px 4px 4px rgb(185, 170,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2381, 0.3204, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 170, 177) }
```

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

```
.background{ background-color: rgb(185,  
170, 177) }
```

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