

Converting Colors

$Y_{xy}(45.4825, 0.3106, 0.3240)$

Have a look what the booklet for
Yxy(45.4825, 0.3106, 0.3240)
contains.

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Color

Yxy(45.3624, 0.3104, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	B4B3B7
RGB	180, 179, 183
RGB Percent	71%, 70%, 72%
CMY	0.2940, 0.2981, 0.2823
CMYK	0.02, 0.02, 0.00, 0.28
HSL	256°, 3%, 71%
HSV	256°, 2%, 72%
XYZ	43.4986, 45.3624, 51.2762
YIQ	179.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

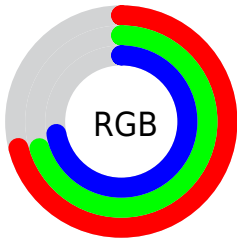
Format	Color
RYB	180, 179, 183
Decimal	11842487
CIELab	73.13, 1.13, -1.93
CIElCh	73, 2.238, 300.443
Yxy	45.3624, 0.3104, 0.3237
Android (android.graphics.Color)	4290032567 (0xFFB4B3B7)
YUV	179.7550, 1.5998, 0.2149
Hunter-Lab	67.3516, -2.5823, 2.0074

Details

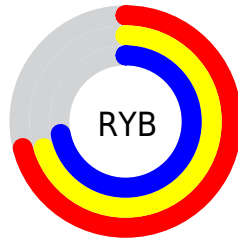
The Yxy color `45.3624, 0.3104, 0.3237` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `47.0738, 0.3150, 0.3343`, and the grayscale version is `45.4996, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.4815, 0.3109, 0.3249`, and `21.0454, 0.3095, 0.3218` is the 20% darker color. If you saturate the color by 10%, you get `36.9621, 0.2989, 0.2980`, and if you desaturate by 10%, it is `54.8990, 0.3203, 0.3467`.

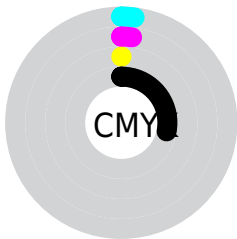
Distribution



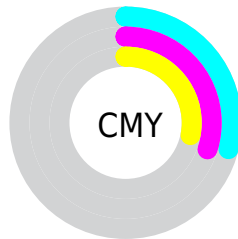
- Red (71%)
- Green (70%)
- Blue (72%)



- Red (71%)
- Yellow (70%)
- Blue (72%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)



- Cyan (29%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3624, 0.3104, 0.3237 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 45.3624, 0.3104, 0.3237 by changing the saturation by 10% instead.

■ 45.3624, 0.3104,
0.3237

■ 45.3624, 0.3104,
0.3237

368.2393, 0.3116,
0.3264

■ 31.7430, 0.3101,
0.3230

■ 83.2640, 0.3108,
0.3247

■ 21.1653, 0.3097,
0.3222

108.3149, 0.3110,
0.3250

■ 13.2449, 0.3092,
0.3210

137.9451, 0.3111,
0.3253

■ 7.5974, 0.3085,
0.3194

172.5390, 0.3112,
0.3256

■ 3.8384, 0.3074,
0.3170

212.4810, 0.3113,
0.3258

■ 1.5836, 0.3056,
0.3129

258.1554, 0.3114,

■ 0.3465, 0.2937,

0.3260

0.2850

309.9467, 0.3115,
0.3262

0.0000, 0.0000,
0.0000

45.3624, 0.3104,
0.3237

45.3624, 0.3104,
0.3237

36.9621, 0.2989,
0.2980

54.8990, 0.3203,
0.3467

29.6497, 0.2857,
0.2697

65.6065, 0.3288,
0.3670

23.3819, 0.2708,
0.2391

77.5250, 0.3359,
0.3849

18.1101, 0.2545,
0.2069

90.6911, 0.3420,
0.4007

13.7820, 0.2370,
0.1745

94.8465, 0.3506,
0.4010

■ 10.3401, 0.2192,
0.1434

■ 96.2000, 0.3555,
0.3998

■ 7.7209, 0.2021,
0.1156

■ 5.8518, 0.1865,
0.0930

■ 4.6470, 0.1737,
0.0771

Harmonies

Analogous

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



45.3624, 0.3079, 0.3239



45.3624, 0.3104, 0.3237



45.3624, 0.3136, 0.3249

Triad

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



45.3624, 0.3104, 0.3237



45.3624, 0.3189, 0.3326



45.3624, 0.3089, 0.3308

Complementary

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



45.3624, 0.3104, 0.3237



47.0738, 0.3150, 0.3343

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.



45.3624, 0.3119, 0.3332



45.3624, 0.3104, 0.3237



45.3624, 0.3176, 0.3342

Square

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



45.3624, 0.3104, 0.3237



45.3624, 0.3185, 0.3301



45.3624, 0.3150, 0.3344



45.3624, 0.3070, 0.3279

Rectangle

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



45.3624, 0.3104, 0.3237



45.3624, 0.3156, 0.3264



45.3624, 0.3150, 0.3344



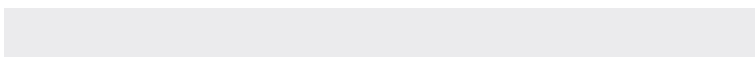
45.3624, 0.3098, 0.3317

Sweetspot

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



45.3643, 0.3104, 0.3237



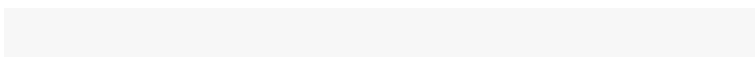
83.1427, 0.3117, 0.3266



46.4652, 0.3094, 0.3277



18.3826, 0.3117, 0.3267



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.



45.3643, 0.3104, 0.3237



79.8736, 0.3095, 0.3216



45.6033, 0.3121, 0.3237



9.8977, 0.3087, 0.3199



2.8463, 0.1667, 0.0692



0.1312, 0.1953, 0.0850

Inverse Universe

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



45.6830, 0.3138, 0.3251



80.6591, 0.3142, 0.3236



46.8349, 0.3133, 0.3343



10.0181, 0.3146, 0.3224



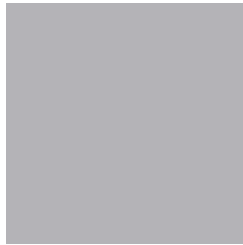
8.2621, 0.3988, 0.1970



0.3008, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 45.3624, 0.3104, 0.3237 looks on a white background.

Color Contrast Check

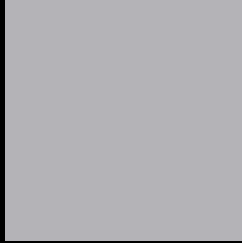
Large Text (above 18pt) WCAG AA × Fail

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 45.3624, 0.3104, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

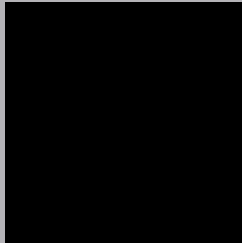
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

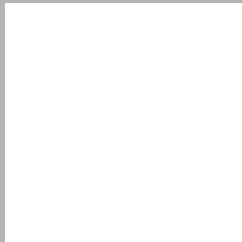
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3624, 0.3104, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 45.3624, 0.3104, 0.3237.



This preview shows how white text looks on a background with the Yxy color 45.3624, 0.3104, 0.3237.

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

45.3624, 0.3104, 0.3237

Protanopia

45.6042, 0.3121, 0.3238

Deuteranopia

45.3349, 0.3231, 0.3164



Tritanopia

45.4703, 0.3042, 0.3109

Trichromacy



Original Color

45.3624, 0.3104, 0.3237

Protanomaly

45.4829, 0.3112, 0.3238

Deuteranomaly

45.4585, 0.3185, 0.3188

Tritanomaly

45.3387, 0.3065, 0.3147

Monochromacy



Original Color

45.3624, 0.3104, 0.3237

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6820, 0.3119, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3624, 0.3104, 0.3237 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(180, 179, 183)` looks like.

```
.text, #text, p{  
    color:rgb(180, 179, 183)  
}
```

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(180, 179, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 179, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.3624, 0.3104, 0.3237 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(180, 179, 183) }
```

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

```
.border{ border-color:rgb(180, 179, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 179, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 179, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 179, 183);  
box-shadow:4px 4px 4px 4px rgb(180, 179,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3624, 0.3104, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 179, 183) }
```

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

```
.background{ background-color: rgb(180,  
179, 183) }
```

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](#).

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