

Converting Colors

$Y_{xy}(45.3396, 0.3012, 0.3231)$

Have a look what the booklet for
Yxy(45.3396, 0.3012, 0.3231)
contains.

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Color

Yxy(45.2508, 0.3004, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	ABB5BA
RGB	171, 181, 186
RGB Percent	67%, 71%, 73%
CMY	0.3296, 0.2901, 0.2705
CMYK	0.08, 0.03, 0.00, 0.27
HSL	200°, 10%, 70%
HSV	200°, 8%, 73%
XYZ	42.1760, 45.2508, 52.9728
YIQ	178.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

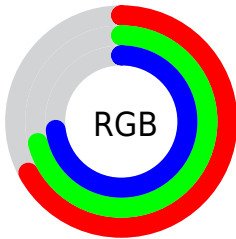
Format	Color
RYB	171, 177, 186
Decimal	11253178
CIELab	73.06, -2.50, -3.75
CIELCh	73, 4.508, 236.379
Yxy	45.2508, 0.3004, 0.3223
Android (android.graphics.Color)	4289443258 (0xFFABB5BA)
YUV	178.5800, 3.6581, -6.6477
Hunter-Lab	67.2687, -5.8046, 0.3984

Details

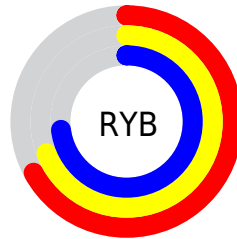
The Yxy color **45.2508, 0.3004, 0.3223** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.4155, 0.3258, 0.3356**, and the grayscale version is **44.8257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1479, 0.3025, 0.3238**, and **21.0537, 0.2971, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **40.8515, 0.2851, 0.3132**, and if you desaturate by 10%, it is **50.0594, 0.3156, 0.3305**.

Distribution



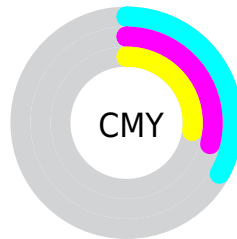
- Red (67%)
- Green (71%)
- Blue (73%)



- Red (67%)
- Yellow (69%)
- Blue (73%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2508, 0.3004, 0.3223 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 45.2508, 0.3004, 0.3223 by changing the saturation by 10% instead.

■ 45.2508, 0.3004,
0.3223

■ 45.2508, 0.3004,
0.3223

367.7884, 0.3066,
0.3257

■ 31.6550, 0.2989,
0.3214

■ 83.0966, 0.3026,
0.3235

■ 21.0981, 0.2969,
0.3203

108.1155, 0.3035,
0.3240

■ 13.1958, 0.2942,
0.3188

137.7108, 0.3042,
0.3244

■ 7.5635, 0.2905,
0.3167

172.2670, 0.3048,
0.3247

■ 3.8169, 0.2849,
0.3135

212.1684, 0.3053,
0.3250

■ 1.5717, 0.2756,
0.3080

257.7996, 0.3058,

■ 0.3384, 0.2120,

0.3253

0.2751

309.5447, 0.3062,
0.3255

0.0000, 0.0000,
0.0000

45.2508, 0.3004,
0.3223

45.2508, 0.3004,
0.3223

40.8515, 0.2851,
0.3132

50.0594, 0.3156,
0.3305

36.8420, 0.2699,
0.3033

55.2844, 0.3304,
0.3378

33.2098, 0.2551,
0.2926

60.9399, 0.3448,
0.3444

29.9392, 0.2411,
0.2811

67.0377, 0.3586,
0.3501

27.0135, 0.2283,
0.2690

71.8481, 0.3646,
0.3558

■ 24.4139, 0.2170,
0.2566

■ 74.9953, 0.3630,
0.3620

■ 22.1196, 0.2076,
0.2439

■ 78.2621, 0.3614,
0.3681

■ 20.1064, 0.2001,
0.2313

■ 81.6496, 0.3598,
0.3741

■ 18.3371, 0.1945,
0.2189

■ 85.1591, 0.3582,
0.3800

Harmonies

Analogous

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



45.2508, 0.3016, 0.3276



45.2508, 0.3004, 0.3223



45.2508, 0.3024, 0.3189

Triad

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



45.2508, 0.3004, 0.3223



45.2508, 0.3197, 0.3248



45.2508, 0.3182, 0.3400

Complementary

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



45.2508, 0.3004, 0.3223



44.4155, 0.3258, 0.3356

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.



45.2508, 0.3231, 0.3392



45.2508, 0.3004, 0.3223



45.2508, 0.3240, 0.3303

Square

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



45.2508, 0.3004, 0.3223



45.2508, 0.3135, 0.3204



45.2508, 0.3252, 0.3356



45.2508, 0.3118, 0.3379

Rectangle

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



45.2508, 0.3004, 0.3223



45.2508, 0.3054, 0.3181



45.2508, 0.3252, 0.3356



45.2508, 0.3200, 0.3401

Sweetspot

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



45.2527, 0.3004, 0.3223



87.1981, 0.3096, 0.3274



46.9012, 0.3081, 0.3428



19.2225, 0.3098, 0.3275



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.2527, 0.3004, 0.3223



80.2961, 0.2972, 0.3205



42.3640, 0.3004, 0.3124



9.6943, 0.2985, 0.3212



12.2608, 0.1939, 0.2181



0.5408, 0.2028, 0.2501

Inverse Universe

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



42.8891, 0.3178, 0.3159



75.0294, 0.3193, 0.3125



47.3517, 0.3249, 0.3450



9.1106, 0.3187, 0.3139



8.0201, 0.4252, 0.2116



0.2937, 0.3921, 0.1934

Previews

White Background



This preview shows how the Yxy color 45.2508, 0.3004, 0.3223 looks on a white background.

Color Contrast Check

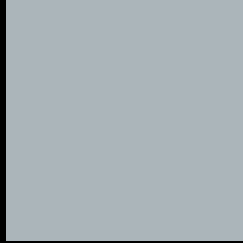
Large Text (above 18pt) WCAG AA × Fail

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 45.2508, 0.3004, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

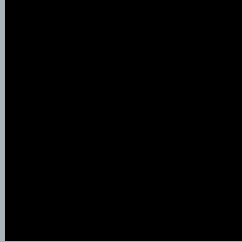
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

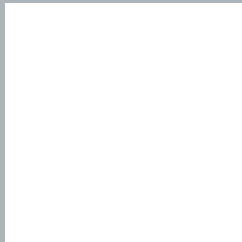
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2508, 0.3004, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 45.2508, 0.3004, 0.3223.



This preview shows how white text looks on a background with the Yxy color 45.2508, 0.3004, 0.3223.

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

45.2508, 0.3004, 0.3223

Protanopia

45.1252, 0.3105, 0.3211

Deuteranopia

45.1974, 0.3188, 0.3126



Tritanopia

45.3082, 0.2952, 0.3106

Trichromacy



Original Color

45.2508, 0.3004, 0.3223

Protanomaly

45.0901, 0.3063, 0.3211

Deuteranomaly

45.3464, 0.3116, 0.3161

Tritanomaly

45.1748, 0.2975, 0.3144

Monochromacy



Original Color

45.2508, 0.3004, 0.3223

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2500, 0.3077, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2508, 0.3004, 0.3223 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(171, 181, 186)` looks like.

```
.text, #text, p{  
    color:rgb(171, 181, 186)  
}
```

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(171, 181, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 181, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.2508, 0.3004, 0.3223 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(171, 181, 186) }
```

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

```
.border{ border-color:rgb(171, 181, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 181, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 181, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 181, 186);  
box-shadow:4px 4px 4px 4px rgb(171, 181,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2508, 0.3004, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 181, 186) }
```

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

```
.background{ background-color: rgb(171,  
181, 186) }
```

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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