

Converting Colors

Yxy(45.0194, 0.3030, 0.3166)

Have a look what the booklet for
Yxy(45.0194, 0.3030, 0.3166)
contains.

Yxy(45.1011, 0.3031, 0.3171)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.1011, 0.3031, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	B0B3BC
RGB	176, 179, 188
RGB Percent	69%, 70%, 74%
CMY	0.3096, 0.2981, 0.2627
CMYK	0.06, 0.05, 0.00, 0.26
HSL	225°, 8%, 71%
HSV	225°, 6%, 74%
XYZ	43.1099, 45.1011, 54.0189
YIQ	179.1290, -4.6770, 2.1630

Conversions

Conversions Part 2

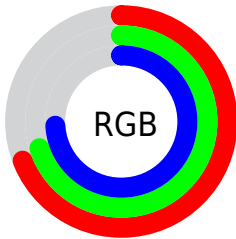
Format	Color
R_{YB}	176, 178, 188
Decimal	11580348
CIE _{Lab}	72.96, 0.72, -4.95
CIE _{LCh}	73, 5.004, 278.297
Yxy	45.1011, 0.3031, 0.3171
Android (android.graphics.Color)	4289770428 (0xFFB0B3BC)
YUV	179.1290, 4.3734, -2.7441
Hunter-Lab	67.1574, -2.9420, -0.6806

Details

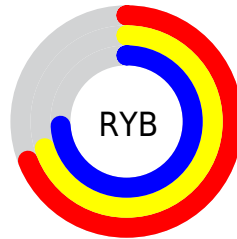
The Yxy color $45.1011, 0.3031, 0.3171$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.5564, 0.3223, 0.3406$, and the grayscale version is $45.1341, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.1041, 0.3052, 0.3198$, and $20.9561, 0.3007, 0.3127$ is the 20% darker color. If you saturate the color by 10%, you get $37.6685, 0.2869, 0.2965$, and if you desaturate by 10%, it is $53.4250, 0.3179, 0.3354$.

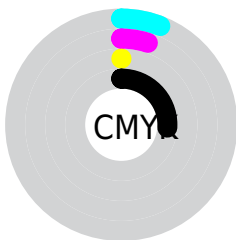
Distribution



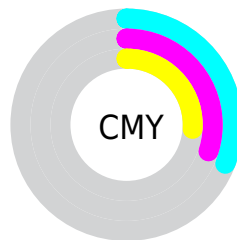
- Red (69%)
- Green (70%)
- Blue (74%)



- Red (69%)
- Yellow (70%)
- Blue (74%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (31%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1011, 0.3031, 0.3171 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 45.1011, 0.3031, 0.3171 by changing the saturation by 10% instead.

■ 45.1011, 0.3031,
0.3171

■ 45.1011, 0.3031,
0.3171

367.1829, 0.3079,
0.3231

■ 31.5371, 0.3019,
0.3156

■ 82.8721, 0.3049,
0.3193

■ 21.0082, 0.3003,
0.3137

107.8479, 0.3055,
0.3201

■ 13.1300, 0.2982,
0.3111

137.3963, 0.3061,
0.3208

■ 7.5181, 0.2953,
0.3075

171.9019, 0.3066,
0.3214

■ 3.7882, 0.2908,
0.3021

211.7489, 0.3070,
0.3219

■ 1.5558, 0.2833,
0.2930

257.3218, 0.3073,

■ 0.3275, 0.2420,

0.3223

0.2410

309.0050, 0.3077,
0.3227

0.0000, 0.0000,
0.0000

45.1011, 0.3031,
0.3171

45.1011, 0.3031,
0.3171

37.6685, 0.2869,
0.2965

53.4250, 0.3179,
0.3354

31.0916, 0.2695,
0.2734

62.6630, 0.3314,
0.3514

25.3405, 0.2511,
0.2482

72.8442, 0.3435,
0.3654

20.3816, 0.2324,
0.2211

83.9945, 0.3544,
0.3775

16.1789, 0.2138,
0.1929

93.1719, 0.3538,
0.3902

■ 12.6933, 0.1965,
0.1647

■ 96.4116, 0.3526,
0.3949

■ 9.8821, 0.1812,
0.1379

■ 7.6972, 0.1690,
0.1139

■ 6.0816, 0.1603,
0.0941

Harmonies

Analogous

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



45.1011, 0.2995, 0.3197



45.1011, 0.3031, 0.3171



45.1011, 0.3093, 0.3176

Triad

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



45.1011, 0.3031, 0.3171



45.1011, 0.3262, 0.3329



45.1011, 0.3089, 0.3371

Complementary

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



45.1011, 0.3031, 0.3171



48.5564, 0.3223, 0.3406

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.



45.1011, 0.3161, 0.3407



45.1011, 0.3031, 0.3171



45.1011, 0.3261, 0.3382

Square

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



45.1011, 0.3031, 0.3171



45.1011, 0.3227, 0.3267



45.1011, 0.3224, 0.3411



45.1011, 0.3028, 0.3313

Rectangle

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



45.1011, 0.3031, 0.3171



45.1011, 0.3141, 0.3197



45.1011, 0.3224, 0.3411



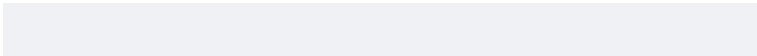
45.1011, 0.3113, 0.3386

Sweetspot

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



45.1030, 0.3031, 0.3171



88.0642, 0.3097, 0.3253



48.7124, 0.3052, 0.3329



18.9715, 0.3099, 0.3255



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.



45.1030, 0.3031, 0.3171



79.2372, 0.3003, 0.3136



44.2869, 0.3057, 0.3133



9.5967, 0.2984, 0.3112



3.9182, 0.1583, 0.0899



0.2604, 0.1717, 0.1380

Inverse Universe

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



45.0151, 0.3209, 0.3252



79.0591, 0.3233, 0.3241



49.4270, 0.3195, 0.3445



9.5739, 0.3251, 0.3234



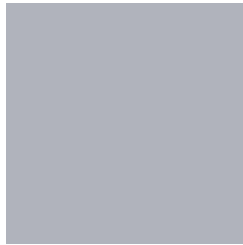
7.4252, 0.5914, 0.3032



0.3016, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 45.1011, 0.3031, 0.3171 looks on a white background.

Color Contrast Check

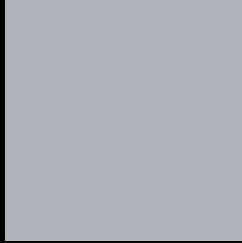
Large Text (above 18pt) WCAG AA × Fail

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 45.1011, 0.3031, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

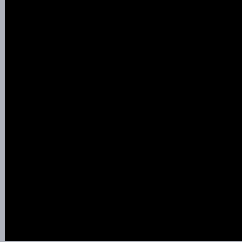
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

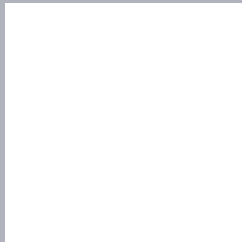
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1011, 0.3031, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 45.1011, 0.3031, 0.3171.

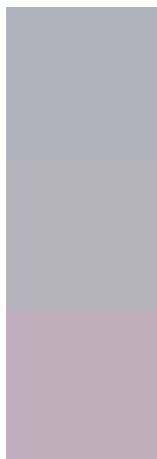


This preview shows how white text looks on a background with the Yxy color 45.1011, 0.3031, 0.3171.

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

45.1011, 0.3031, 0.3171

Protanopia

45.1319, 0.3073, 0.3172

Deuteranopia

45.1527, 0.3162, 0.3100



Tritanopia

44.9937, 0.3008, 0.3107

Trichromacy



Original Color

45.1011, 0.3031, 0.3171

Protanomaly

45.0124, 0.3064, 0.3172

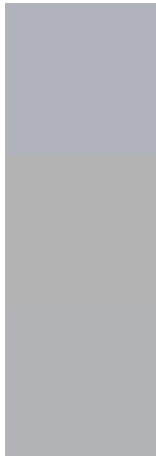
Deuteranomaly

45.1639, 0.3109, 0.3123

Tritanomaly

44.9495, 0.3016, 0.3120

Monochromacy



Original Color

45.1011, 0.3031, 0.3171

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0826, 0.3095, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1011, 0.3031, 0.3171 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(176, 179, 188)` looks like.

```
.text, #text, p{  
    color:rgb(176, 179, 188)  
}
```

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(176, 179, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 179, 188) }
```

Border

The CSS property to change the border of an element to Yxy 45.1011, 0.3031, 0.3171 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(176, 179, 188) }
```

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

```
.border{ border-color:rgb(176, 179, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 179, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 179, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 179, 188);  
box-shadow:4px 4px 4px 4px rgb(176, 179,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1011, 0.3031, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 179, 188) }
```

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

```
.background{ background-color: rgb(176,  
179, 188) }
```

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