

Converting Colors

$Y_{xy}(45.0418, 0.2913, 0.3058)$

Have a look what the booklet for
Yxy(45.0418, 0.2913, 0.3058)
contains.

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Color

Yxy(45.2198, 0.2914, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	AAB4C5
RGB	170, 180, 197
RGB Percent	67%, 71%, 77%
CMY	0.3333, 0.2941, 0.2274
CMYK	0.14, 0.09, 0.00, 0.23
HSL	218°, 19%, 72%
HSV	218°, 14%, 77%
XYZ	42.9780, 45.2198, 59.2901
YIQ	178.9480, -11.4170, 3.1670

Conversions

Conversions Part 2

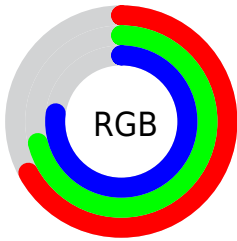
Format	Color
RYB	170, 177, 197
Decimal	11187397
CIELab	73.04, -0.01, -9.81
CIELCh	73, 9.808, 269.964
Yxy	45.2198, 0.2914, 0.3066
Android (android.graphics.Color)	4289377477 (0xFFAAB4C5)
YUV	178.9480, 8.8996, -7.8474
Hunter-Lab	67.2457, -3.5972, -5.2037

Details

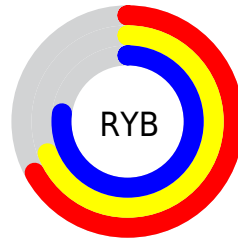
The Yxy color $45.2198, 0.2914, 0.3066$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $50.3187, 0.3347, 0.3504$, and the grayscale version is $45.0079, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.1542, 0.2948, 0.3106$, and $21.0135, 0.2859, 0.3001$ is the 20% darker color. If you saturate the color by 10%, you get $38.4007, 0.2748, 0.2880$, and if you desaturate by 10%, it is $52.8201, 0.3071, 0.3233$.

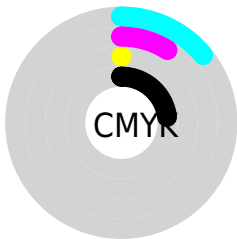
Distribution



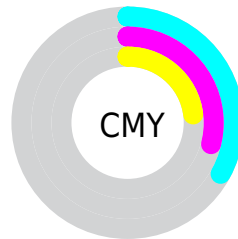
- Red (67%)
- Green (71%)
- Blue (77%)



- Red (67%)
- Yellow (69%)
- Blue (77%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2198, 0.2914, 0.3066 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 45.2198, 0.2914, 0.3066 by changing the saturation by 10% instead.

■ 45.2198, 0.2914,
0.3066

■ 45.2198, 0.2914,
0.3066

367.6630, 0.3021,
0.3178

■ 31.6306, 0.2887,
0.3038

■ 83.0501, 0.2953,
0.3107

■ 21.0795, 0.2853,
0.3002

108.0601, 0.2967,
0.3122

■ 13.1821, 0.2807,
0.2954

137.6457, 0.2980,
0.3135

■ 7.5541, 0.2744,
0.2887

172.1914, 0.2990,
0.3146

■ 3.8110, 0.2649,
0.2787

212.0816, 0.2999,
0.3156

■ 1.5684, 0.2493,
0.2623

257.7007, 0.3007,

■ 0.3361, 0.1868,

0.3164

0.1966

309.4330, 0.3014,
0.3172

0.0000, 0.0000,
0.0000

45.2198, 0.2914,
0.3066

45.2198, 0.2914,
0.3066

38.4007, 0.2748,
0.2880

52.8201, 0.3071,
0.3233

32.3309, 0.2575,
0.2674

61.2209, 0.3218,
0.3381

26.9843, 0.2400,
0.2452

70.4479, 0.3354,
0.3511

22.3313, 0.2228,
0.2217

80.5237, 0.3479,
0.3626

18.3396, 0.2066,
0.1974

88.8174, 0.3498,
0.3740

■ 14.9743, 0.1920,
0.1733

■ 96.4568, 0.3473,
0.3855

■ 12.1962, 0.1798,
0.1502

■ 96.8116, 0.3472,
0.3860

■ 9.9601, 0.1705,
0.1291

■ 8.7887, 0.1658,
0.1170

Harmonies

Analogous

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



45.2198, 0.2863, 0.3131



45.2198, 0.2914, 0.3066



45.2198, 0.3022, 0.3061

Triad

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



45.2198, 0.2914, 0.3066



45.2198, 0.3380, 0.3330



45.2198, 0.3090, 0.3477

Complementary

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



45.2198, 0.2914, 0.3066



50.3187, 0.3347, 0.3504

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.



45.2198, 0.3229, 0.3531



45.2198, 0.2914, 0.3066



45.2198, 0.3399, 0.3442

Square

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



45.2198, 0.2914, 0.3066



45.2198, 0.3292, 0.3211



45.2198, 0.3343, 0.3517



45.2198, 0.2963, 0.3369

Rectangle

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



45.2198, 0.2914, 0.3066



45.2198, 0.3113, 0.3090



45.2198, 0.3343, 0.3517



45.2198, 0.3137, 0.3502

Sweetspot

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



45.2217, 0.2914, 0.3066



94.0863, 0.3066, 0.3227



52.0556, 0.2992, 0.3425



19.9060, 0.3054, 0.3215



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.



45.2217, 0.2914, 0.3066



77.7542, 0.2873, 0.3021



41.6849, 0.2937, 0.2934



10.9200, 0.2983, 0.3140



5.9277, 0.1665, 0.1194



0.4190, 0.1784, 0.1623

Inverse Universe

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



43.9181, 0.3288, 0.3164



75.1287, 0.3323, 0.3139



54.2888, 0.3304, 0.3628



10.7008, 0.3233, 0.3205



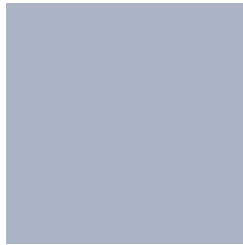
8.1384, 0.5475, 0.2790



0.3993, 0.4902, 0.2474

Previews

White Background



This preview shows how the Yxy color 45.2198, 0.2914, 0.3066 looks on a white background.

Color Contrast Check

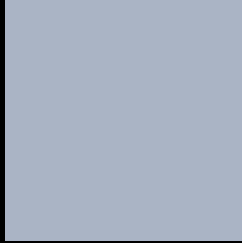
Large Text (above 18pt) WCAG AA × Fail

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 45.2198, 0.2914, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

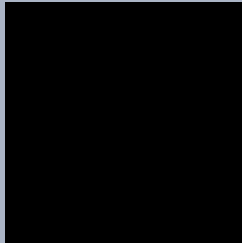
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

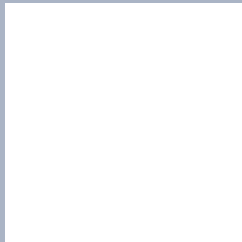
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2198, 0.2914, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 45.2198, 0.2914, 0.3066.



This preview shows how white text looks on a background with the Yxy color 45.2198, 0.2914, 0.3066.

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

45.2198, 0.2914, 0.3066

Protanopia

45.1734, 0.2978, 0.3056

Deuteranopia

45.0407, 0.3055, 0.2987



Tritanopia

45.1287, 0.2929, 0.3092

Trichromacy



Original Color

45.2198, 0.2914, 0.3066

Protanomaly

45.2244, 0.2953, 0.3068

Deuteranomaly

44.9516, 0.2996, 0.3007

Tritanomaly

45.1741, 0.2921, 0.3079

Monochromacy



Original Color

45.2198, 0.2914, 0.3066

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0155, 0.3046, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2198, 0.2914, 0.3066 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(170, 180, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 197)  
}
```

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(170, 180, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 197) }
```

Border

The CSS property to change the border of an element to Yxy 45.2198, 0.2914, 0.3066 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(170, 180, 197) }
```

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

```
.border{ border-color:rgb(170, 180, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2198, 0.2914, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 197) }
```

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

```
.background{ background-color: rgb(170,  
180, 197) }
```

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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