

Converting Colors

$Yxy(44.9787, 0.2872, 0.2973)$

Have a look what the booklet for
Yxy(44.9787, 0.2872, 0.2973)
contains.

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Color

Yxy(45.0980, 0.2870, 0.2977)

Conversions

Conversions Part 1

Format	Color
Hex	AAB3CB
RGB	170, 179, 203
RGB Percent	67%, 70%, 80%
CMY	0.3333, 0.2980, 0.2039
CMYK	0.16, 0.12, 0.00, 0.20
HSL	224°, 24%, 73%
HSV	224°, 16%, 80%
XYZ	43.4771, 45.0980, 62.9130
YIQ	179.0450, -13.0680, 5.5560

Conversions

Conversions Part 2

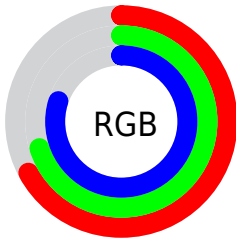
Format	Color
R _{YB}	170, 177, 203
Decimal	11187147
CIE Lab	72.96, 1.82, -13.21
CIE LCh	73, 13.332, 277.840
Yxy	45.0980, 0.2870, 0.2977
Android (android.graphics.Color)	4289377227 (0xFFAAB3CB)
YUV	179.0450, 11.8098, -7.9325
Hunter-Lab	67.1550, -1.9580, -8.5362

Details

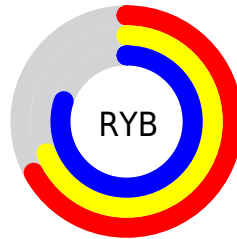
The Yxy color $45.0980, 0.2870, 0.2977$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.1820, 0.3386, 0.3585$, and the grayscale version is $45.0466, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8054, 0.2948, 0.3086$, and $20.9432, 0.2800, 0.2881$ is the 20% darker color. If you saturate the color by 10%, you get $37.4051, 0.2696, 0.2754$, and if you desaturate by 10%, it is $53.7775, 0.3032, 0.3177$.

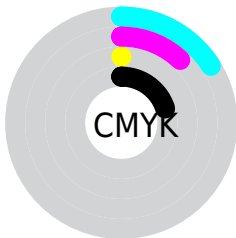
Distribution



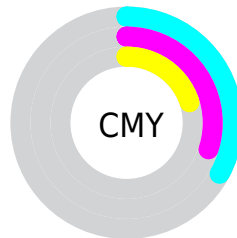
- Red (67%)
- Green (70%)
- Blue (80%)



- Red (67%)
- Yellow (69%)
- Blue (80%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0980, 0.2870, 0.2977 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 45.0980, 0.2870, 0.2977 by changing the saturation by 10% instead.

■ 45.0980, 0.2870,
0.2977

■ 45.0980, 0.2870,
0.2977

■ 367.1703, 0.2999,
0.3133

■ 31.5346, 0.2838,
0.2938

■ 82.8675, 0.2917,
0.3033

■ 21.0063, 0.2797,
0.2889

■ 107.8423, 0.2934,
0.3055

■ 13.1286, 0.2742,
0.2823

■ 137.3898, 0.2949,
0.3073

■ 7.5172, 0.2665,
0.2733

■ 171.8943, 0.2962,
0.3088

■ 3.7876, 0.2552,
0.2599

■ 211.7402, 0.2973,
0.3102

■ 1.5555, 0.2367,
0.2384

■ 257.3119, 0.2983,

■ 0.3273, 0.1779,

0.3113

0.1638

308.9938, 0.2991,
0.3124

0.0000, 0.0000,
0.0000

45.0980, 0.2870,
0.2977

45.0980, 0.2870,
0.2977

37.4051, 0.2696,
0.2754

53.7775, 0.3032,
0.3177

30.6574, 0.2514,
0.2509

63.4719, 0.3182,
0.3354

24.8186, 0.2328,
0.2246

74.2153, 0.3317,
0.3509

19.8480, 0.2146,
0.1972

86.0385, 0.3440,
0.3644

15.7013, 0.1974,
0.1697

95.7058, 0.3440,
0.3780

■ 12.3303, 0.1824,
0.1432

■ 97.0918, 0.3436,
0.3800

■ 9.6806, 0.1703,
0.1193

■ 7.6883, 0.1617,
0.0991

■ 7.0803, 0.1591,
0.0926

Harmonies

Analogous

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



45.0980, 0.2779, 0.3042



45.0980, 0.2870, 0.2977



45.0980, 0.3030, 0.2993

Triad

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



45.0980, 0.2870, 0.2977



45.0980, 0.3489, 0.3384



45.0980, 0.3026, 0.3513

Complementary

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



45.0980, 0.2870, 0.2977



54.1820, 0.3386, 0.3585

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.



45.0980, 0.3216, 0.3609



45.0980, 0.2870, 0.2977



45.0980, 0.3486, 0.3528

Square

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



45.0980, 0.2870, 0.2977



45.0980, 0.3391, 0.3223



45.0980, 0.3385, 0.3613



45.0980, 0.2868, 0.3352

Rectangle

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



45.0980, 0.2870, 0.2977



45.0980, 0.3157, 0.3045



45.0980, 0.3385, 0.3613



45.0980, 0.3089, 0.3554

Sweetspot

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



45.0999, 0.2870, 0.2977



91.8878, 0.3051, 0.3199



55.1379, 0.2945, 0.3409



19.4313, 0.3040, 0.3186



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.



45.0999, 0.2870, 0.2977



70.1549, 0.2802, 0.2890



42.4269, 0.2924, 0.2864



11.3337, 0.2983, 0.3117



4.6373, 0.1597, 0.0949



0.3681, 0.1707, 0.1345

Inverse Universe

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



44.7016, 0.3352, 0.3179



69.5031, 0.3420, 0.3149



57.3304, 0.3311, 0.3697



11.2631, 0.3248, 0.3227



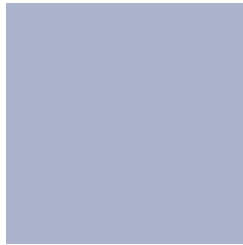
8.2711, 0.5837, 0.2989



0.4397, 0.5265, 0.2674

Previews

White Background



This preview shows how the Yxy color 45.0980, 0.2870, 0.2977 looks on a white background.

Color Contrast Check

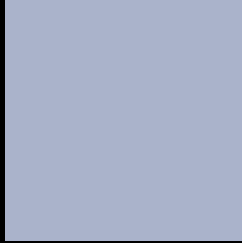
Large Text (above 18pt) WCAG AA × Fail

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 45.0980, 0.2870, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

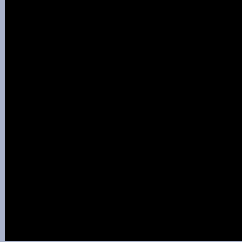
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0980, 0.2870, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 45.0980, 0.2870, 0.2977.

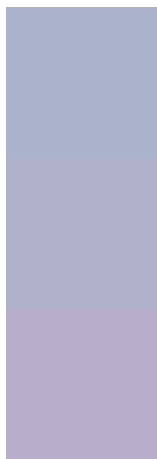


This preview shows how white text looks on a background with the Yxy color 45.0980, 0.2870, 0.2977.

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

45.0980, 0.2870, 0.2977

Protanopia

45.2190, 0.2917, 0.2980

Deuteranopia

44.8221, 0.2974, 0.2911



Tritanopia

45.0177, 0.2921, 0.3091

Trichromacy



Original Color

45.0980, 0.2870, 0.2977

Protanomaly

44.9893, 0.2901, 0.2978

Deuteranomaly

44.9940, 0.2934, 0.2932

Tritanomaly

45.1547, 0.2899, 0.3053

Monochromacy



Original Color

45.0980, 0.2870, 0.2977

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1011, 0.3031, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0980, 0.2870, 0.2977 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, 179, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 203)  
}
```

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, 179, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 203) }
```

Border

The CSS property to change the border of an element to Yxy 45.0980, 0.2870, 0.2977 is called "border". The border property can be set on classes, ids or directly on the HTML element.

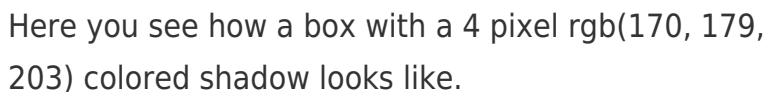
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 179, 203) }
```

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

```
.border{ border-color:rgb(170, 179, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 179, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 203);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0980, 0.2870, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 203) }
```

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

```
.background{ background-color: rgb(170,  
179, 203) }
```

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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