

Converting Colors

$Yxy(45.0445, 0.3156, 0.3328)$

Have a look what the booklet for
Yxy(45.0445, 0.3156, 0.3328)
contains.

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Color

Yxy(45.0781, 0.3160, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	B4B3B0
RGB	180, 179, 176
RGB Percent	71%, 70%, 69%
CMY	0.2941, 0.2980, 0.3098
CMYK	0.00, 0.01, 0.02, 0.29
HSL	45°, 3%, 70%
HSV	45°, 2%, 71%
XYZ	42.7768, 45.0781, 47.5148
YIQ	178.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

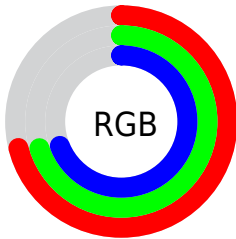
Format	Color
RYB	177, 180, 176
Decimal	11842480
CIELab	72.94, -0.20, 1.65
CIELCh	73, 1.663, 97.068
Yxy	45.0781, 0.3160, 0.3330
Android (android.graphics.Color)	4290032560 (0xFFB4B3B0)
YUV	178.9570, -1.4578, 0.9147
Hunter-Lab	67.1402, -3.7683, 5.0390

Details

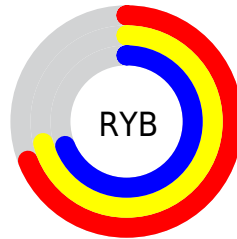
The Yxy color **45.0781, 0.3160, 0.3330** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9588, 0.3094, 0.3250**, and the grayscale version is **45.0627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0757, 0.3153, 0.3321**, and **20.8890, 0.3161, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **42.6655, 0.3316, 0.3516**, and if you desaturate by 10%, it is **47.6462, 0.3018, 0.3154**.

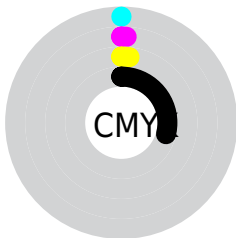
Distribution



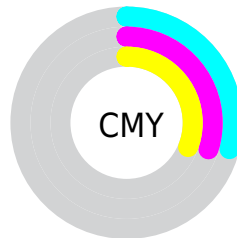
- Red (71%)
- Green (70%)
- Blue (69%)



- Red (69%)
- Yellow (71%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0781, 0.3160, 0.3330 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 45.0781, 0.3160, 0.3330 by changing the saturation by 10% instead.

■ 45.0781, 0.3160,
0.3330

■ 45.0781, 0.3160,
0.3330

367.0898, 0.3144,
0.3310

■ 31.5189, 0.3164,
0.3335

■ 82.8376, 0.3154,
0.3323

■ 20.9943, 0.3169,
0.3342

107.8067, 0.3152,
0.3320

■ 13.1199, 0.3177,
0.3350

137.3480, 0.3150,
0.3318

■ 7.5111, 0.3187,
0.3363

171.8457, 0.3148,
0.3316

■ 3.7838, 0.3202,
0.3381

211.6844, 0.3147,
0.3314

■ 1.5534, 0.3228,
0.3413

257.2484, 0.3146,

■ 0.3258, 0.3503,

0.3312

0.3745

308.9220, 0.3144,
0.3311

0.0000, 0.0000,
0.0000

45.0781, 0.3160,
0.3330

45.0781, 0.3160,
0.3330

42.6655, 0.3316,
0.3516

47.6462, 0.3018,
0.3154

40.3983, 0.3483,
0.3708

50.3681, 0.2888,
0.2990

38.2740, 0.3661,
0.3902

53.2493, 0.2772,
0.2838

36.2880, 0.3846,
0.4091

56.2937, 0.2668,
0.2697

34.4349, 0.4031,
0.4267

58.7767, 0.2633,
0.2678

■ 32.7093, 0.4210,
0.4420

■ 60.8759, 0.2639,
0.2730

■ 31.1051, 0.4375,
0.4539

■ 63.0352, 0.2645,
0.2782

■ 29.6151, 0.4518,
0.4616

■ 65.2552, 0.2651,
0.2834

■ 28.2313, 0.4633,
0.4646

■ 67.5364, 0.2656,
0.2885

Harmonies

Analogous

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



45.0781, 0.3172, 0.3320



45.0781, 0.3160, 0.3330



45.0781, 0.3139, 0.3329

Triad

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



45.0781, 0.3160, 0.3330



45.0781, 0.3083, 0.3278



45.0781, 0.3139, 0.3263

Complementary

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



45.0781, 0.3160, 0.3330



43.9588, 0.3094, 0.3250

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.



45.0781, 0.3115, 0.3252



45.0781, 0.3160, 0.3330



45.0781, 0.3083, 0.3260

Square

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



45.0781, 0.3160, 0.3330



45.0781, 0.3095, 0.3299



45.0781, 0.3095, 0.3251



45.0781, 0.3160, 0.3282

Rectangle

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



45.0781, 0.3160, 0.3330



45.0781, 0.3124, 0.3322



45.0781, 0.3095, 0.3251



45.0781, 0.3131, 0.3258

Sweetspot

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



45.0800, 0.3160, 0.3330



82.2931, 0.3142, 0.3308



43.9232, 0.3154, 0.3277



17.7918, 0.3141, 0.3307



91.1408, 0.3127, 0.3290



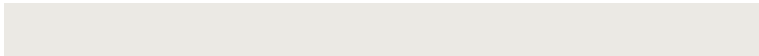
17.8868, 0.3127, 0.3290

Same Dimension

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



45.0800, 0.3160, 0.3330



81.3736, 0.3172, 0.3345



45.3571, 0.3151, 0.3343



9.8434, 0.3183, 0.3357



19.1063, 0.4699, 0.4651



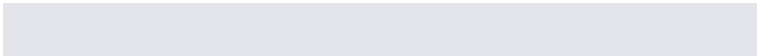
0.6863, 0.4531, 0.4784

Inverse Universe

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



43.9588, 0.3094, 0.3250



78.5997, 0.3082, 0.3234



43.6878, 0.3103, 0.3237



9.4340, 0.3072, 0.3222



3.6659, 0.1584, 0.0903



0.2087, 0.1738, 0.1456

Previews

White Background



This preview shows how the Yxy color 45.0781, 0.3160, 0.3330 looks on a white background.

Color Contrast Check

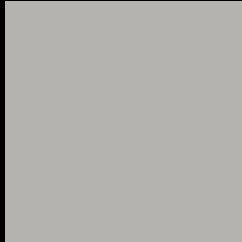
Large Text (above 18pt) WCAG AA × Fail

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 45.0781, 0.3160, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

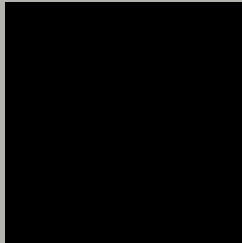
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

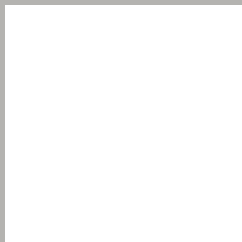
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0781, 0.3160, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 45.0781, 0.3160, 0.3330.



This preview shows how white text looks on a background with the Yxy color 45.0781, 0.3160, 0.3330.

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

45.0781, 0.3160, 0.3330

Protanopia

45.0032, 0.3195, 0.3330

Deuteranopia

44.9318, 0.3310, 0.3240



Tritanopia

45.1510, 0.3058, 0.3109

Trichromacy



Original Color

45.0781, 0.3160, 0.3330

Protanomaly

44.8810, 0.3186, 0.3330

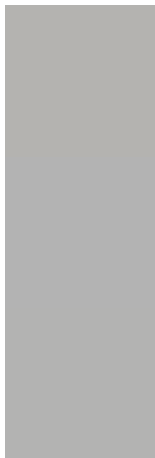
Deuteranomaly

44.9106, 0.3253, 0.3265

Tritanomaly

45.2097, 0.3089, 0.3186

Monochromacy



Original Color

45.0781, 0.3160, 0.3330

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0383, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0781, 0.3160, 0.3330 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(180, 179, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 179, 176) }
```

Border

The CSS property to change the border of an element to Yxy 45.0781, 0.3160, 0.3330 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, 176) }
```

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

```
.border{ border-color:rgb(180, 179, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(180, 179,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0781, 0.3160, 0.3330 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, 176) }
```

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

```
.background{ background-color: rgb(180,  
179, 176) }
```

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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