

Converting Colors

$Y_{xy}(45.8049, 0.3121, 0.3307)$

Have a look what the booklet for
Yxy(45.8049, 0.3121, 0.3307)
contains.

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Color

Yxy(45.8861, 0.3126, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	B3B5B3
RGB	179, 181, 179
RGB Percent	70%, 71%, 70%
CMY	0.2979, 0.2902, 0.2980
CMYK	0.01, 0.00, 0.01, 0.29
HSL	120°, 1%, 71%
HSV	120°, 1%, 71%
XYZ	43.2569, 45.8861, 49.2348
YIQ	180.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

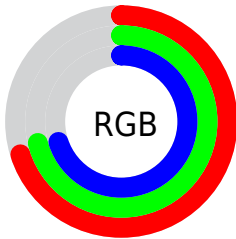
Format	Color
RYB	179, 181, 181
Decimal	11777459
CIELab	73.47, -1.05, 0.75
CIELCh	73, 1.294, 144.473
Yxy	45.8861, 0.3126, 0.3316
Android (android.graphics.Color)	4289967539 (0xFFB3B5B3)
YUV	180.1740, -0.5788, -1.0296
Hunter-Lab	67.7393, -4.5573, 4.3238

Details

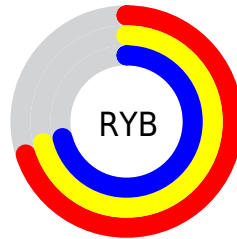
The Yxy color `45.8861, 0.3126, 0.3316` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `45.4066, 0.3128, 0.3264`, and the grayscale version is `45.7469, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.2287, 0.3126, 0.3310`, and `21.3803, 0.3125, 0.3326` is the 20% darker color. If you saturate the color by 10%, you get `43.1922, 0.3114, 0.3573`, and if you desaturate by 10%, it is `48.9612, 0.3136, 0.3092`.

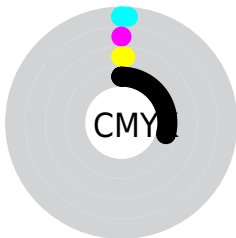
Distribution



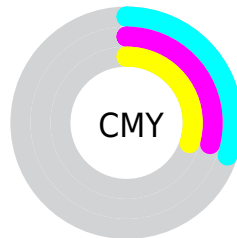
- Red (70%)
- Green (71%)
- Blue (70%)



- Red (70%)
- Yellow (71%)
- Blue (71%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8861, 0.3126, 0.3316 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 45.8861, 0.3126, 0.3316 by changing the saturation by 10% instead.

■ 45.8861, 0.3126,
0.3316

■ 45.8861, 0.3126,
0.3316

370.3505, 0.3127,
0.3303

■ 32.1559, 0.3126,
0.3319

■ 84.0485, 0.3126,
0.3311

■ 21.4806, 0.3126,
0.3323

109.2496, 0.3126,
0.3310

■ 13.4758, 0.3125,
0.3329

139.0430, 0.3126,
0.3308

■ 7.7570, 0.3125,
0.3337

173.8133, 0.3126,
0.3307

■ 3.9398, 0.3124,
0.3349

213.9448, 0.3127,
0.3306

■ 1.6400, 0.3123,
0.3369

259.8219, 0.3127,

■ 0.3843, 0.3116,

0.3305

0.3527

311.8290, 0.3127,
0.3304

0.0000, 0.0000,
0.0000

45.8861, 0.3126,
0.3316

45.8861, 0.3126,
0.3316

43.1922, 0.3114,
0.3573

48.9612, 0.3136,
0.3092

40.8591, 0.3101,
0.3865

52.4252, 0.3145,
0.2899

38.8731, 0.3087,
0.4188

56.2934, 0.3152,
0.2733

37.2179, 0.3071,
0.4534

60.5780, 0.3158,
0.2591

35.8753, 0.3054,
0.4889

61.5256, 0.3161,
0.2565

■ 34.8257, 0.3038,
0.5231

■ 34.0473, 0.3024,
0.5533

■ 33.5152, 0.3012,
0.5769

■ 33.1999, 0.3005,
0.5922

Harmonies

Analogous

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



45.8861, 0.3144, 0.3322



45.8861, 0.3126, 0.3316



45.8861, 0.3108, 0.3303

Triad

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



45.8861, 0.3126, 0.3316



45.8861, 0.3097, 0.3262



45.8861, 0.3159, 0.3293

Complementary

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



45.8861, 0.3126, 0.3316



45.4066, 0.3128, 0.3264

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.



45.8861, 0.3146, 0.3277



45.8861, 0.3126, 0.3316



45.8861, 0.3111, 0.3259

Square

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



45.8861, 0.3126, 0.3316



45.8861, 0.3092, 0.3272



45.8861, 0.3128, 0.3265



45.8861, 0.3163, 0.3308

Rectangle

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



45.8861, 0.3126, 0.3316



45.8861, 0.3099, 0.3293



45.8861, 0.3128, 0.3265



45.8861, 0.3155, 0.3288

Sweetspot

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



45.8881, 0.3126, 0.3316



82.7571, 0.3127, 0.3290



46.1109, 0.3143, 0.3316



17.8868, 0.3127, 0.3290



91.1408, 0.3127, 0.3290

Same Dimension

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



45.8881, 0.3126, 0.3316



82.2282, 0.3126, 0.3314



45.9260, 0.3118, 0.3303



9.9893, 0.3126, 0.3312



22.7859, 0.3001, 0.5999



0.7174, 0.3005, 0.5996

Inverse Universe

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



45.4066, 0.3128, 0.3264



81.4241, 0.3128, 0.3266



45.3683, 0.3136, 0.3277



9.8998, 0.3128, 0.3268



9.0200, 0.3201, 0.1537



0.2843, 0.3203, 0.1538

Previews

White Background



This preview shows how the Yxy color 45.8861, 0.3126, 0.3316 looks on a white background.

Color Contrast Check

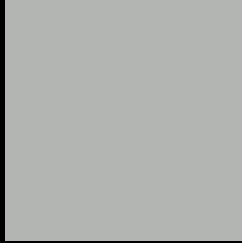
Large Text (above 18pt) WCAG AA × Fail

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 45.8861, 0.3126, 0.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

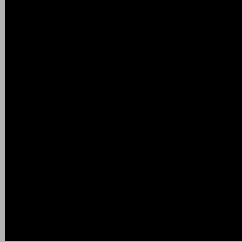
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

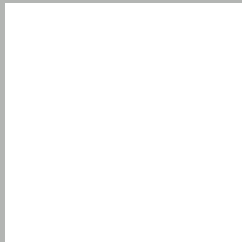
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8861, 0.3126, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 45.8861, 0.3126, 0.3316.

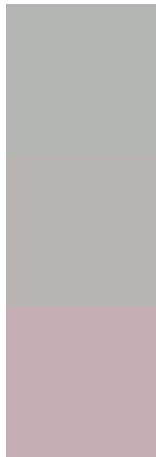


This preview shows how white text looks on a background with the Yxy color 45.8861, 0.3126, 0.3316.

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

45.8861, 0.3126, 0.3316

Protanopia

46.0472, 0.3178, 0.3316

Deuteranopia

45.9610, 0.3291, 0.3228



Tritanopia

45.9142, 0.3034, 0.3109

Trichromacy



Original Color

45.8861, 0.3126, 0.3316

Protanomaly

45.8020, 0.3160, 0.3316

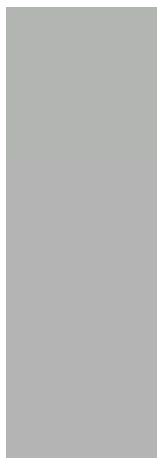
Deuteranomaly

45.8159, 0.3226, 0.3252

Tritanomaly

45.9767, 0.3064, 0.3186

Monochromacy



Original Color

45.8861, 0.3126, 0.3316

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6411, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8861, 0.3126, 0.3316 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(179, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 181, 179)  
}
```

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(179, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 181, 179) }
```

Border

The CSS property to change the border of an element to Yxy 45.8861, 0.3126, 0.3316 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(179, 181, 179) }
```

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

```
.border{ border-color:rgb(179, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(179, 181,  
179) }
```

Background

The CSS property to change the background color of an element to Yxy 45.8861, 0.3126, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 181, 179) }
```

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

```
.background{ background-color: rgb(179,  
181, 179) }
```

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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