

Converting Colors

$Yxy(45.8081, 0.3177, 0.3492)$

Have a look what the booklet for
Yxy(45.8081, 0.3177, 0.3492)
contains.

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Color

Yxy(45.8081, 0.3177, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	AFB7A8
RGB	175, 183, 168
RGB Percent	69%, 72%, 66%
CMY	0.3138, 0.2823, 0.3411
CMYK	0.04, 0.00, 0.08, 0.28
HSL	92°, 9%, 69%
HSV	92°, 8%, 72%
XYZ	41.6759, 45.8081, 43.6961
YIQ	178.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

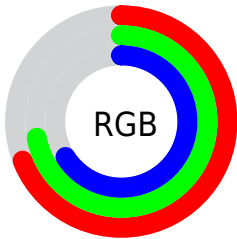
Format	Color
RYB	168, 183, 176
Decimal	11515816
CIELab	73.42, -5.58, 6.65
CIELCh	73, 8.681, 129.986
Yxy	45.8081, 0.3177, 0.3492
Android (android.graphics.Color)	4289705896 (0xFFAFB7A8)
YUV	178.8980, -5.3727, -3.4185
Hunter-Lab	67.6817, -8.5291, 9.0988

Details

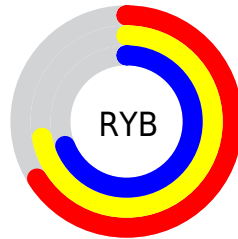
The Yxy color $45.8081, 0.3177, 0.3492$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.6656, 0.3074, 0.3089$, and the grayscale version is $45.0502, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.0496, 0.3172, 0.3457$, and $21.4372, 0.3197, 0.3550$ is the 20% darker color. If you saturate the color by 10%, you get $44.0808, 0.3237, 0.3758$, and if you desaturate by 10%, it is $47.7179, 0.3116, 0.3248$.

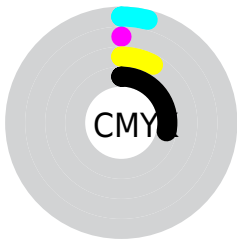
Distribution



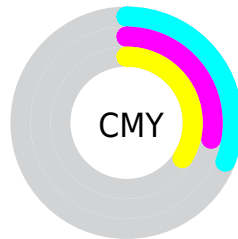
- Red (69%)
- Green (72%)
- Blue (66%)



- Red (66%)
- Yellow (72%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8081, 0.3177, 0.3492 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 45.8081, 0.3177, 0.3492 by changing the saturation by 10% instead.

■ 45.8081, 0.3177,
0.3492

■ 45.8081, 0.3177,
0.3492

370.0366, 0.3153,
0.3390

■ 32.0944, 0.3183,
0.3518

■ 83.9317, 0.3168,
0.3454

■ 21.4336, 0.3191,
0.3552

■ 109.1105, 0.3165,
0.3440

■ 13.4413, 0.3200,
0.3597

138.8797, 0.3162,
0.3429

■ 7.7331, 0.3214,
0.3662

173.6237, 0.3160,
0.3419

■ 3.9247, 0.3234,
0.3760

213.7271, 0.3158,
0.3410

■ 1.6315, 0.3264,
0.3930

259.5741, 0.3156,

■ 0.3787, 0.3714,

0.3402

0.6286

311.5491, 0.3154,
0.3396

0.0000, 0.0000,
0.0000

45.8081, 0.3177,
0.3492

45.8081, 0.3177,
0.3492

44.0808, 0.3237,
0.3758

47.7179, 0.3116,
0.3248

42.5243, 0.3294,
0.4043

49.8097, 0.3057,
0.3026

41.1346, 0.3345,
0.4341

52.0907, 0.2999,
0.2827

39.9051, 0.3385,
0.4643

54.5659, 0.2945,
0.2650

38.8290, 0.3412,
0.4935

56.9455, 0.2924,
0.2533

■ 37.8986, 0.3421,
0.5202

■ 58.5595, 0.2998,
0.2549

■ 37.1056, 0.3409,
0.5430

■ 60.2655, 0.3073,
0.2566

■ 36.4403, 0.3377,
0.5606

■ 62.0649, 0.3148,
0.2582

■ 35.8885, 0.3328,
0.5727

■ 62.3522, 0.3160,
0.2585

Harmonies

Analogous

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



45.8081, 0.3288, 0.3500



45.8081, 0.3177, 0.3492



45.8081, 0.3054, 0.3426

Triad

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



45.8081, 0.3177, 0.3492



45.8081, 0.2902, 0.3125



45.8081, 0.3304, 0.3255

Complementary

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



45.8081, 0.3177, 0.3492



40.6656, 0.3074, 0.3089

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.



45.8081, 0.3198, 0.3159



45.8081, 0.3177, 0.3492



45.8081, 0.2966, 0.3085

Square

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



45.8081, 0.3177, 0.3492



45.8081, 0.2897, 0.3212



45.8081, 0.3074, 0.3098



45.8081, 0.3363, 0.3361

Rectangle

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



45.8081, 0.3177, 0.3492



45.8081, 0.2982, 0.3360



45.8081, 0.3074, 0.3098



45.8081, 0.3273, 0.3221

Sweetspot

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



45.8101, 0.3177, 0.3492



84.0999, 0.3139, 0.3339



43.9519, 0.3256, 0.3397



18.5831, 0.3139, 0.3336



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.8101, 0.3177, 0.3492



81.3981, 0.3189, 0.3543



45.0445, 0.3114, 0.3489



10.2587, 0.3184, 0.3521



25.0092, 0.3327, 0.5740



0.9185, 0.3536, 0.5575

Inverse Universe

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



40.6656, 0.3074, 0.3089



70.1242, 0.3060, 0.3038



41.4770, 0.3141, 0.3099



8.9502, 0.3066, 0.3060



4.2429, 0.2108, 0.0935



0.1860, 0.2385, 0.1088

Previews

White Background



This preview shows how the Yxy color 45.8081, 0.3177, 0.3492 looks on a white background.

Color Contrast Check

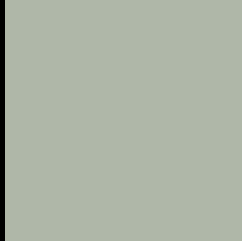
Large Text (above 18pt) WCAG AA × Fail

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 45.8081, 0.3177, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

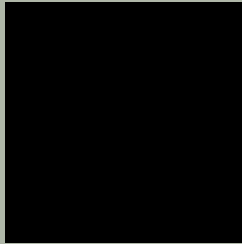
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

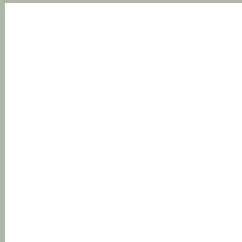
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8081, 0.3177, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 45.8081, 0.3177, 0.3492.



This preview shows how white text looks on a background with the Yxy color 45.8081, 0.3177, 0.3492.

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

45.8081, 0.3177, 0.3492

Protanopia

45.9605, 0.3303, 0.3474

Deuteranopia

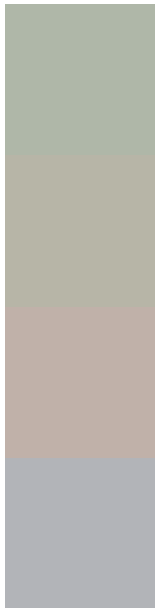
45.5919, 0.3406, 0.3341



Tritanopia

45.6742, 0.3017, 0.3108

Trichromacy



Original Color

45.8081, 0.3177, 0.3492

Protanomaly

45.9050, 0.3258, 0.3475

Deuteranomaly

45.5153, 0.3327, 0.3394

Tritanomaly

45.5682, 0.3079, 0.3237

Monochromacy



Original Color

45.8081, 0.3177, 0.3492

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2026, 0.3150, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8081, 0.3177, 0.3492 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(175, 183, 168)` looks like.

```
.text, #text, p{  
    color:rgb(175, 183, 168)  
}
```

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(175, 183, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 183, 168) }
```

Border

The CSS property to change the border of an element to Yxy 45.8081, 0.3177, 0.3492 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(175, 183, 168) }
```

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

```
.border{ border-color:rgb(175, 183, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 183, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 183, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 183, 168);  
box-shadow:4px 4px 4px 4px rgb(175, 183,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8081, 0.3177, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 183, 168) }
```

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

```
.background{ background-color: rgb(175,  
183, 168) }
```

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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