

Converting Colors

$Yxy(45.9718, 0.3171, 0.3585)$

Have a look what the booklet for
Yxy(45.9718, 0.3171, 0.3585)
contains.

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Color

Yxy(45.8883, 0.3172, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	AAB9A3
RGB	170, 185, 163
RGB Percent	67%, 73%, 64%
CMY	0.3334, 0.2745, 0.3608
CMYK	0.08, 0.00, 0.12, 0.27
HSL	101°, 14%, 68%
HSV	101°, 12%, 73%
XYZ	40.5340, 45.8883, 41.3646
YIQ	178.0070, -1.8780, -10.0220

Conversions

Conversions Part 2

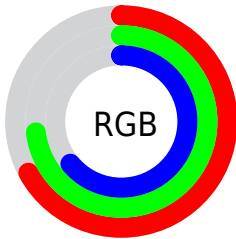
Format	Color
RYB	163, 185, 178
Decimal	11188643
CIELab	73.47, -9.30, 9.41
CIELCh	73, 13.236, 134.668
Yxy	45.8883, 0.3172, 0.3591
Android (android.graphics.Color)	4289378723 (0xFFAAB9A3)
YUV	178.0070, -7.3985, -7.0221
Hunter-Lab	67.7409, -11.7378, 11.2144

Details

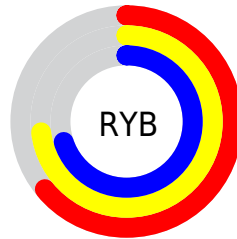
The Yxy color $45.8883, 0.3172, 0.3591$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $39.1593, 0.3077, 0.2996$, and the grayscale version is $44.5647, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9801, 0.3162, 0.3533$, and $21.5018, 0.3189, 0.3688$ is the 20% darker color. If you saturate the color by 10%, you get $43.9353, 0.3208, 0.3872$, and if you desaturate by 10%, it is $48.0773, 0.3134, 0.3336$.

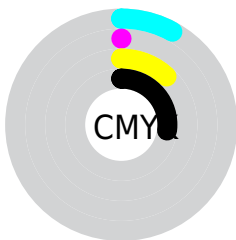
Distribution



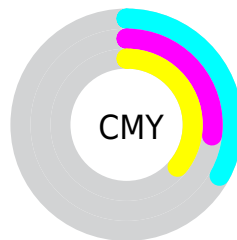
- Red (67%)
- Green (73%)
- Blue (64%)



- Red (64%)
- Yellow (73%)
- Blue (70%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8883, 0.3172, 0.3591 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 45.8883, 0.3172, 0.3591 by changing the saturation by 10% instead.


 45.8883, 0.3172,
0.3591


 45.8883, 0.3172,
0.3591

370.3594, 0.3151,
0.3438

 32.1577, 0.3177,
0.3630

 84.0518, 0.3165,
0.3535

 21.4820, 0.3183,
0.3681


 109.2535, 0.3162,
0.3514

 13.4768, 0.3190,
0.3750


139.0476, 0.3159,
0.3496

 7.7577, 0.3200,
0.3849

173.8187, 0.3157,
0.3481

 3.9403, 0.3212,
0.4001

213.9510, 0.3155,
0.3468

 1.6402, 0.3226,
0.4264

259.8289, 0.3154,

 0.3845, 0.2645,

0.3456

0.7355

311.8369, 0.3152,
0.3446

0.0000, 0.0000,
0.0000

45.8883, 0.3172,
0.3591

45.8883, 0.3172,
0.3591

43.9353, 0.3208,
0.3872

48.0773, 0.3134,
0.3336

42.2044, 0.3239,
0.4174

50.5040, 0.3096,
0.3106

40.6891, 0.3264,
0.4491

53.1776, 0.3059,
0.2903

39.3805, 0.3278,
0.4812

56.1049, 0.3023,
0.2723

38.2686, 0.3280,
0.5119

59.2608, 0.2992,
0.2569

■ 37.3431, 0.3267,
0.5395

■ 61.4626, 0.3088,
0.2589

■ 36.5921, 0.3238,
0.5621

■ 63.1819, 0.3159,
0.2605

■ 36.0022, 0.3196,
0.5784

■ 35.6256, 0.3157,
0.5875

Harmonies

Analogous

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



45.8883, 0.3348, 0.3616



45.8883, 0.3172, 0.3591



45.8883, 0.2988, 0.3478

Triad

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



45.8883, 0.3172, 0.3591



45.8883, 0.2797, 0.3024



45.8883, 0.3417, 0.3260

Complementary

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



45.8883, 0.3172, 0.3591



39.1593, 0.3077, 0.2996

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.



45.8883, 0.3262, 0.3113



45.8883, 0.3172, 0.3591



45.8883, 0.2904, 0.2977

Square

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



45.8883, 0.3172, 0.3591



45.8883, 0.2775, 0.3144



45.8883, 0.3074, 0.3011



45.8883, 0.3493, 0.3419

Rectangle

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



45.8883, 0.3172, 0.3591



45.8883, 0.2885, 0.3369



45.8883, 0.3074, 0.3011



45.8883, 0.3372, 0.3208

Sweetspot

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



45.8903, 0.3172, 0.3591



85.2136, 0.3143, 0.3389



44.6684, 0.3314, 0.3485



18.3053, 0.3145, 0.3407



93.3107, 0.3127, 0.3290



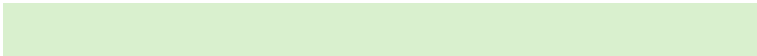
18.7317, 0.3127, 0.3290

Same Dimension

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



45.8903, 0.3172, 0.3591



81.3290, 0.3181, 0.3654



45.2644, 0.3085, 0.3544



10.1949, 0.3162, 0.3523



24.2901, 0.3165, 0.5869



0.8904, 0.3379, 0.5699

Inverse Universe

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



39.1593, 0.3077, 0.2996



67.1482, 0.3065, 0.2936



39.8555, 0.3173, 0.3048



9.0158, 0.3088, 0.3061



5.4562, 0.2430, 0.1112



0.2239, 0.2638, 0.1227

Previews

White Background



This preview shows how the Yxy color 45.8883, 0.3172, 0.3591 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 45.8883, 0.3172, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

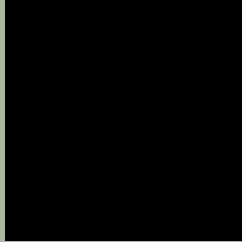
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

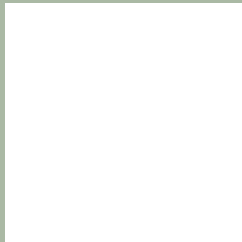
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8883, 0.3172, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 45.8883, 0.3172, 0.3591.



This preview shows how white text looks on a background with the Yxy color 45.8883, 0.3172, 0.3591.

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

45.8883, 0.3172, 0.3591

Protanopia

45.8719, 0.3362, 0.3553

Deuteranopia

45.6852, 0.3469, 0.3404



Tritanopia

45.6966, 0.2969, 0.3094

Trichromacy



Original Color

45.8883, 0.3172, 0.3591

Protanomaly

45.8529, 0.3288, 0.3571

Deuteranomaly

45.5975, 0.3359, 0.3473

Tritanomaly

45.7590, 0.3044, 0.3276

Monochromacy



Original Color

45.8883, 0.3172, 0.3591

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1788, 0.3139, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8883, 0.3172, 0.3591 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, 185, 163)` looks like.

```
.text, #text, p{  
    color:rgb(170, 185, 163)  
}
```

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, 185, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 185, 163) }
```

Border

The CSS property to change the border of an element to Yxy 45.8883, 0.3172, 0.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

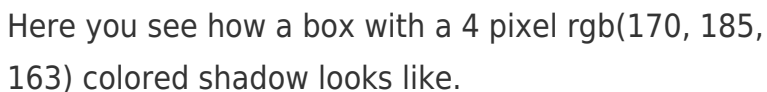
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 185, 163) }
```

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

```
.border{ border-color:rgb(170, 185, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 185, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 185, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 185, 163); box-shadow:4px 4px 4px 4px rgb(170, 185, 163) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8883, 0.3172, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 185, 163) }
```

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

```
.background{ background-color: rgb(170,  
185, 163) }
```

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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