

Converting Colors

$Y_{xy}(45.7945, 0.3340, 0.3508)$

Have a look what the booklet for
Yxy(45.7945, 0.3340, 0.3508)
contains.

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Color

Yxy(45.9782, 0.3337, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	BCB4A3
RGB	188, 180, 163
RGB Percent	74%, 71%, 64%
CMY	0.2627, 0.2941, 0.3607
CMYK	0.00, 0.04, 0.13, 0.26
HSL	41°, 16%, 69%
HSV	41°, 13%, 74%
XYZ	43.6747, 45.9782, 41.2273
YIQ	180.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

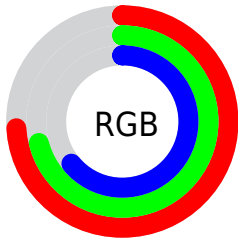
Format	Color
RYB	175, 188, 163
Decimal	12367011
CIELab	73.53, -0.08, 9.67
CIELCh	74, 9.675, 90.457
Yxy	45.9782, 0.3337, 0.3513
Android (android.graphics.Color)	4290557091 (0xFFBCB4A3)
YUV	180.4540, -8.6048, 6.6178
Hunter-Lab	67.8072, -3.6906, 11.4163

Details

The Yxy color $45.9782, 0.3337, 0.3513$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.5557, 0.2921, 0.3057$, and the grayscale version is $45.9440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2860, 0.3296, 0.3474$, and $21.4773, 0.3406, 0.3578$ is the 20% darker color. If you saturate the color by 10%, you get $42.9741, 0.3513, 0.3689$, and if you desaturate by 10%, it is $49.1924, 0.3177, 0.3344$.

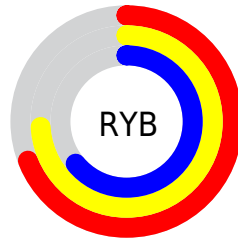
Distribution



Red (74%)

Green (71%)

Blue (64%)



Red (69%)

Yellow (74%)

Blue (64%)

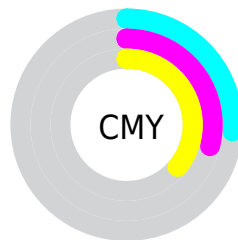


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (26%)



Cyan (26%)


Magenta (29%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9782, 0.3337, 0.3513 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 45.9782, 0.3337, 0.3513 by changing the saturation by 10% instead.


 45.9782, 0.3337,
0.3513


 45.9782, 0.3337,
0.3513


370.7210, 0.3232,
0.3401

 32.2286, 0.3363,
0.3541


 84.1864, 0.3299,
0.3472

 21.5362, 0.3397,
0.3577

 109.4138, 0.3284,
0.3457

 13.5165, 0.3442,
0.3625


139.2359, 0.3272,
0.3444

 7.7852, 0.3505,
0.3692

174.0371, 0.3262,
0.3433

 3.9578, 0.3599,
0.3792

214.2018, 0.3253,
0.3424

 1.6500, 0.3754,
0.3957

260.1144, 0.3245,

 0.3909, 0.4860,

0.3415

0.5140

312.1594, 0.3238,
0.3408

0.0000, 0.0000,
0.0000

45.9782, 0.3337,
0.3513

45.9782, 0.3337,
0.3513

42.9741, 0.3513,
0.3689

49.1924, 0.3177,
0.3344

40.1684, 0.3702,
0.3866

52.6161, 0.3032,
0.3184

37.5569, 0.3902,
0.4039

56.2566, 0.2902,
0.3035

35.1331, 0.4108,
0.4200

60.1186, 0.2786,
0.2896

32.8901, 0.4311,
0.4336

64.0764, 0.2694,
0.2790

■ 30.8199, 0.4504,
0.4439

■ 67.1122, 0.2701,
0.2859

■ 28.9140, 0.4675,
0.4497

■ 70.2614, 0.2707,
0.2928

■ 27.1620, 0.4817,
0.4506

■ 73.5251, 0.2714,
0.2996

■ 26.0620, 0.4899,
0.4492

■ 76.9045, 0.2720,
0.3063

Harmonies

Analogous

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



45.9782, 0.3393, 0.3441



45.9782, 0.3337, 0.3513



45.9782, 0.3225, 0.3526

Triad

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



45.9782, 0.3337, 0.3513



45.9782, 0.2884, 0.3240



45.9782, 0.3162, 0.3118

Complementary

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



45.9782, 0.3337, 0.3513



40.5557, 0.2921, 0.3057

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.



45.9782, 0.3026, 0.3065



45.9782, 0.3337, 0.3513



45.9782, 0.2868, 0.3132

Square

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



45.9782, 0.3337, 0.3513



45.9782, 0.2964, 0.3366



45.9782, 0.2919, 0.3070



45.9782, 0.3291, 0.3214

Rectangle

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



45.9782, 0.3337, 0.3513



45.9782, 0.3134, 0.3496



45.9782, 0.2919, 0.3070



45.9782, 0.3116, 0.3095

Sweetspot

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



45.9802, 0.3337, 0.3513



88.6774, 0.3188, 0.3357



39.8450, 0.3290, 0.3180



18.9728, 0.3200, 0.3369



95.5105, 0.3127, 0.3290



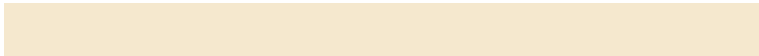
19.5994, 0.3127, 0.3290

Same Dimension

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



45.9802, 0.3337, 0.3513



81.6641, 0.3387, 0.3565



48.7900, 0.3287, 0.3618



10.5906, 0.3272, 0.3445



17.8798, 0.4888, 0.4501



0.8137, 0.4684, 0.4663

Inverse Universe

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



40.5557, 0.2921, 0.3057



69.8913, 0.2872, 0.3000



38.0645, 0.2954, 0.2948



9.7114, 0.2984, 0.3130



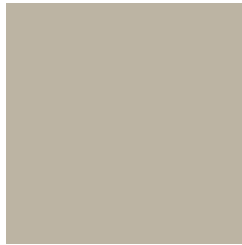
4.8129, 0.1630, 0.1067



0.3098, 0.1771, 0.1574

Previews

White Background



This preview shows how the Yxy color 45.9782, 0.3337, 0.3513 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 45.9782, 0.3337, 0.3513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

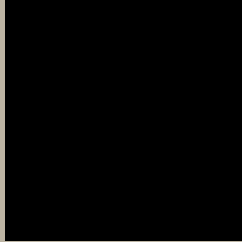
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9782, 0.3337, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 45.9782, 0.3337, 0.3513.



This preview shows how white text looks on a background with the Yxy color 45.9782, 0.3337, 0.3513.

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

45.9782, 0.3337, 0.3513

Protanopia

45.9782, 0.3337, 0.3513

Deuteranopia

45.7898, 0.3487, 0.3417



Tritanopia

45.9748, 0.3153, 0.3113

Trichromacy



Original Color

45.9782, 0.3337, 0.3513

Protanomaly

45.9782, 0.3337, 0.3513

Deuteranomaly

45.7368, 0.3427, 0.3444

Tritanomaly

45.8159, 0.3226, 0.3252

Monochromacy



Original Color

45.9782, 0.3337, 0.3513

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7658, 0.3202, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9782, 0.3337, 0.3513 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(188, 180, 163)` looks like.

```
.text, #text, p{  
    color:rgb(188, 180, 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(188, 180, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 180, 163) }
```

Border

The CSS property to change the border of an element to Yxy 45.9782, 0.3337, 0.3513 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(188, 180, 163) }
```

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

```
.border{ border-color:rgb(188, 180, 163) }
```

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

Here you see how a box with a 4 pixel rgb(188, 180, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 180, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 180, 163);  
box-shadow:4px 4px 4px 4px rgb(188, 180,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9782, 0.3337, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 180, 163) }
```

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

```
.background{ background-color: rgb(188,  
180, 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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