

Converting Colors

$Yxy(45.1323, 0.3197, 0.3756)$

Have a look what the booklet for
Yxy(45.1323, 0.3197, 0.3756)
contains.

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Color

Yxy(45.2042, 0.3189, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	A3BA99
RGB	163, 186, 153
RGB Percent	64%, 73%, 60%
CMY	0.3608, 0.2706, 0.4000
CMYK	0.12, 0.00, 0.18, 0.27
HSL	102°, 19%, 66%
HSV	102°, 18%, 73%
XYZ	38.4109, 45.2042, 36.8331
YIQ	175.3610, -3.1150, -15.1390

Conversions

Conversions Part 2

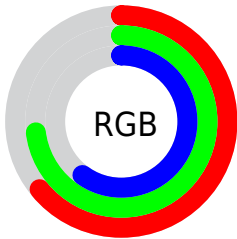
Format	Color
RYB	153, 186, 176
Decimal	10730137
CIELab	73.03, -14.07, 14.14
CIELCh	73, 19.945, 134.857
Yxy	45.2042, 0.3189, 0.3753
Android (android.graphics.Color)	4288920217 (0xFFA3BA99)
YUV	175.3610, -11.0240, -10.8406
Hunter-Lab	67.2341, -15.6823, 14.5828

Details

The Yxy color $45.2042, 0.3189, 0.3753$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $35.5556, 0.3052, 0.2844$, and the grayscale version is $43.1258, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9147, 0.3181, 0.3667$, and $21.1139, 0.3200, 0.3896$ is the 20% darker color. If you saturate the color by 10%, you get $43.3395, 0.3220, 0.4048$, and if you desaturate by 10%, it is $47.3089, 0.3155, 0.3482$.

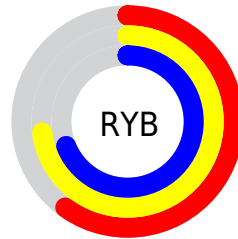
Distribution



Red (64%)

Green (73%)

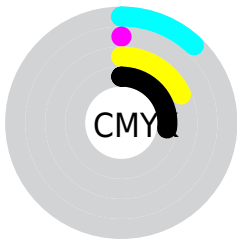
Blue (60%)



Red (60%)

Yellow (73%)

Blue (69%)

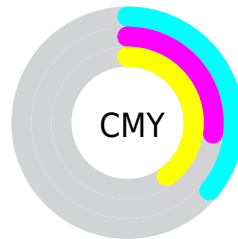


Cyan (12%)

Magenta (0%)

Yellow (18%)

Black (27%)



Cyan (36%)


Magenta (27%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2042, 0.3189, 0.3753 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 45.2042, 0.3189, 0.3753 by changing the saturation by 10% instead.


 45.2042, 0.3189,
0.3753

 45.2042, 0.3189,
0.3753


367.5999, 0.3161,
0.3514

 31.6183, 0.3195,
0.3815


 83.0268, 0.3180,
0.3665

 21.0701, 0.3202,
0.3896


 108.0322, 0.3176,
0.3632

 13.1753, 0.3210,
0.4006


137.6129, 0.3173,
0.3605

 7.5493, 0.3218,
0.4164

172.1534, 0.3170,
0.3581

 3.8080, 0.3225,
0.4409

212.0379, 0.3167,
0.3561

 1.5667, 0.3264,
0.4912

257.6509, 0.3165,

 0.3350, 0.0000,

0.3543

1.0000

309.3768, 0.3163,
0.3528

0.0000, 0.0000,
0.0000

45.2042, 0.3189,
0.3753

45.2042, 0.3189,
0.3753

43.3395, 0.3220,
0.4048

47.3089, 0.3155,
0.3482

41.7004, 0.3246,
0.4362

49.6560, 0.3119,
0.3237

40.2796, 0.3263,
0.4685

52.2552, 0.3083,
0.3019

39.0672, 0.3268,
0.5002

55.1139, 0.3049,
0.2826

38.0527, 0.3260,
0.5295

58.2391, 0.3015,
0.2656

■ 37.2242, 0.3237,
0.5545

■ 61.0042, 0.3051,
0.2591

■ 36.5685, 0.3200,
0.5736

■ 63.3651, 0.3149,
0.2612

■ 36.0679, 0.3153,
0.5862

■ 63.6008, 0.3159,
0.2614

■ 35.9716, 0.3143,
0.5886

Harmonies

Analogous

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



45.2042, 0.3457, 0.3787



45.2042, 0.3189, 0.3753



45.2042, 0.2913, 0.3576

Triad

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



45.2042, 0.3189, 0.3753



45.2042, 0.2633, 0.2887



45.2042, 0.3569, 0.3242

Complementary

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



45.2042, 0.3189, 0.3753



35.5556, 0.3052, 0.2844

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.



45.2042, 0.3331, 0.3026



45.2042, 0.3189, 0.3753



45.2042, 0.2792, 0.2823

Square

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



45.2042, 0.3189, 0.3753



45.2042, 0.2600, 0.3062



45.2042, 0.3045, 0.2876



45.2042, 0.3684, 0.3478

Rectangle

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



45.2042, 0.3189, 0.3753



45.2042, 0.2760, 0.3407



45.2042, 0.3045, 0.2876



45.2042, 0.3501, 0.3165

Sweetspot

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



45.2061, 0.3189, 0.3753



86.8338, 0.3145, 0.3414



43.6148, 0.3413, 0.3592



19.0580, 0.3148, 0.3432



95.5105, 0.3127, 0.3290



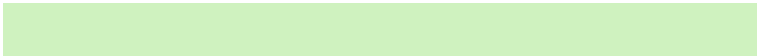
19.5994, 0.3127, 0.3290

Same Dimension

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



45.2061, 0.3189, 0.3753



80.6664, 0.3201, 0.3857



44.3969, 0.3059, 0.3675



10.1885, 0.3160, 0.3523



24.2334, 0.3152, 0.5879



0.8877, 0.3364, 0.5711

Inverse Universe

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



35.5556, 0.3052, 0.2844



60.1570, 0.3034, 0.2748



36.5128, 0.3203, 0.2933



9.0225, 0.3091, 0.3061



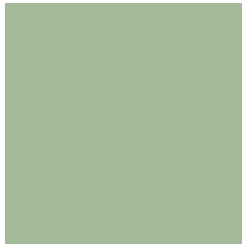
5.6001, 0.2465, 0.1132



0.2282, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 45.2042, 0.3189, 0.3753 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 45.2042, 0.3189, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

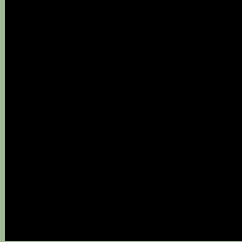
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2042, 0.3189, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 45.2042, 0.3189, 0.3753.



This preview shows how white text looks on a background with the Yxy color 45.2042, 0.3189, 0.3753.

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

45.2042, 0.3189, 0.3753

Protanopia

45.2289, 0.3467, 0.3687

Deuteranopia

44.8845, 0.3574, 0.3493



Tritanopia

45.1287, 0.2929, 0.3092

Trichromacy



Original Color

45.2042, 0.3189, 0.3753

Protanomaly

45.3612, 0.3369, 0.3722

Deuteranomaly

44.7580, 0.3429, 0.3580

Tritanomaly

44.9667, 0.3017, 0.3317

Monochromacy



Original Color

45.2042, 0.3189, 0.3753

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6881, 0.3154, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2042, 0.3189, 0.3753 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(163, 186, 153)` looks like.

```
.text, #text, p{  
    color:rgb(163, 186, 153)  
}
```

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(163, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 186, 153) }
```

Border

The CSS property to change the border of an element to Yxy 45.2042, 0.3189, 0.3753 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(163, 186, 153) }
```

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

```
.border{ border-color:rgb(163, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(163, 186,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2042, 0.3189, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 186, 153) }
```

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

```
.background{ background-color: rgb(163,  
186, 153) }
```

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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