

Converting Colors

$Yxy(44.9723, 0.3228, 0.3876)$

Have a look what the booklet for
Yxy(44.9723, 0.3228, 0.3876)
contains.

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Color

Yxy(45.1620, 0.3232, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	A1BB91
RGB	161, 187, 145
RGB Percent	63%, 73%, 57%
CMY	0.3686, 0.2667, 0.4313
CMYK	0.14, 0.00, 0.22, 0.27
HSL	97°, 24%, 65%
HSV	97°, 22%, 73%
XYZ	37.5807, 45.1620, 33.5343
YIQ	174.4380, -2.0140, -18.5740

Conversions

Conversions Part 2

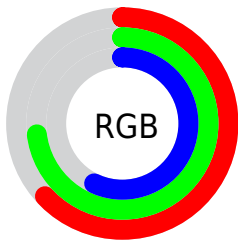
Format	Color
RYB	145, 187, 171
Decimal	10599313
CIELab	73.00, -16.63, 18.38
CIElCh	73, 24.789, 132.138
Yxy	45.1620, 0.3232, 0.3884
Android (android.graphics.Color)	4288789393 (0xFFA1BB91)
YUV	174.4380, -14.5129, -11.7851
Hunter-Lab	67.2027, -17.7848, 17.4560

Details

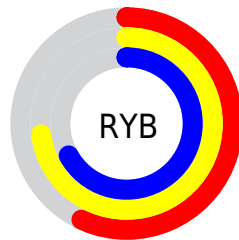
The Yxy color **45.1620, 0.3232, 0.3884** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.5075, 0.2997, 0.2713**, and the grayscale version is **42.6433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8236, 0.3216, 0.3768**, and **21.1096, 0.3257, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **43.4854, 0.3273, 0.4183**, and if you desaturate by 10%, it is **47.0490, 0.3186, 0.3605**.

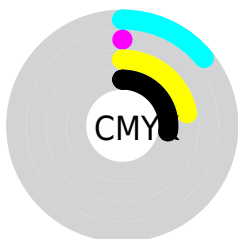
Distribution



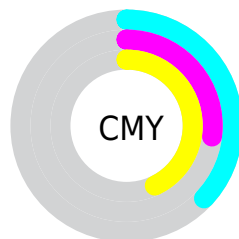
- Red (63%)
- Green (73%)
- Blue (57%)



- Red (57%)
- Yellow (73%)
- Blue (67%)



- Cyan (14%)
- Magenta (0%)
- Yellow (22%)
- Black (27%)





- Cyan (37%)
- Magenta (27%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1620, 0.3232, 0.3884 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 45.1620, 0.3232, 0.3884 by changing the saturation by 10% instead.


 45.1620, 0.3232,
0.3884

 45.1620, 0.3232,
0.3884


367.4293, 0.3184,
0.3577

 31.5850, 0.3242,
0.3964


 82.9635, 0.3216,
0.3770

 21.0448, 0.3254,
0.4069


 107.9567, 0.3210,
0.3728

 13.1567, 0.3267,
0.4211


137.5243, 0.3204,
0.3692

 7.5366, 0.3281,
0.4416

172.0504, 0.3199,
0.3662

 3.7999, 0.3291,
0.4732

211.9196, 0.3195,
0.3636

 1.5622, 0.3441,
0.5557

257.5162, 0.3191,

 0.3319, 0.0000,

0.3614

1.0000

309.2246, 0.3187,
0.3594

0.0000, 0.0000,
0.0000

45.1620, 0.3232,
0.3884

45.1620, 0.3232,
0.3884

43.4854, 0.3273,
0.4183

47.0490, 0.3186,
0.3605

42.0056, 0.3307,
0.4494

49.1477, 0.3139,
0.3349

40.7164, 0.3329,
0.4805

51.4669, 0.3091,
0.3118

39.6091, 0.3338,
0.5102

54.0132, 0.3045,
0.2911

38.6739, 0.3329,
0.5368

56.7928, 0.3000,
0.2727

■ 37.9002, 0.3302,
0.5584

■ 59.6674, 0.2973,
0.2585

■ 37.2756, 0.3258,
0.5741

■ 61.6535, 0.3060,
0.2604

■ 36.8877, 0.3219,
0.5826

■ 63.7694, 0.3148,
0.2622

■ 64.0216, 0.3158,
0.2624

Harmonies

Analogous

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



45.1620, 0.3560, 0.3903



45.1620, 0.3232, 0.3884



45.1620, 0.2888, 0.3676

Triad

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



45.1620, 0.3232, 0.3884



45.1620, 0.2509, 0.2803



45.1620, 0.3656, 0.3201

Complementary

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



45.1620, 0.3232, 0.3884



32.5075, 0.2997, 0.2713

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.



45.1620, 0.3348, 0.2945



45.1620, 0.3232, 0.3884



45.1620, 0.2689, 0.2717

Square

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



45.1620, 0.3232, 0.3884



45.1620, 0.2484, 0.3028



45.1620, 0.2992, 0.2771



45.1620, 0.3817, 0.3490

Rectangle

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



45.1620, 0.3232, 0.3884



45.1620, 0.2695, 0.3464



45.1620, 0.2992, 0.2771



45.1620, 0.3566, 0.3109

Sweetspot

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



45.1640, 0.3232, 0.3884



86.2188, 0.3161, 0.3465



41.7025, 0.3504, 0.3639



18.9369, 0.3164, 0.3481



95.5105, 0.3127, 0.3290



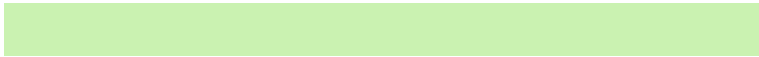
19.5994, 0.3127, 0.3290

Same Dimension

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



45.1640, 0.3232, 0.3884



79.3410, 0.3253, 0.4031



43.7632, 0.3062, 0.3834



10.8218, 0.3172, 0.3523



25.4539, 0.3228, 0.5819



1.0348, 0.3426, 0.5661

Inverse Universe

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



32.5075, 0.2997, 0.2713



52.6143, 0.2961, 0.2576



34.2055, 0.3199, 0.2801



9.5100, 0.3078, 0.3060



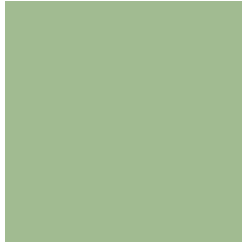
5.0647, 0.2285, 0.1032



0.2348, 0.2509, 0.1156

Previews

White Background



This preview shows how the Yxy color 45.1620, 0.3232, 0.3884 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 45.1620, 0.3232, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

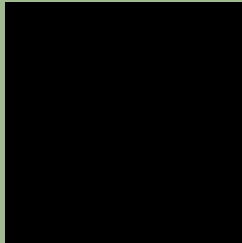
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1620, 0.3232, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 45.1620, 0.3232, 0.3884.



This preview shows how white text looks on a background with the Yxy color 45.1620, 0.3232, 0.3884.

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

45.1620, 0.3232, 0.3884

Protanopia

45.1104, 0.3544, 0.3792

Deuteranopia

44.9086, 0.3666, 0.3592



Tritanopia

45.0177, 0.2921, 0.3091

Trichromacy



Original Color

45.1620, 0.3232, 0.3884

Protanomaly

44.9926, 0.3426, 0.3834

Deuteranomaly

44.4980, 0.3499, 0.3687

Tritanomaly

45.1483, 0.3031, 0.3371

Monochromacy



Original Color

45.1620, 0.3232, 0.3884

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3196, 0.3169, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1620, 0.3232, 0.3884 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(161, 187, 145)` looks like.

```
.text, #text, p{  
    color:rgb(161, 187, 145)  
}
```

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(161, 187, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 187, 145) }
```

Border

The CSS property to change the border of an element to Yxy 45.1620, 0.3232, 0.3884 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(161, 187, 145) }
```

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

```
.border{ border-color:rgb(161, 187, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 187, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 187, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 187, 145);  
box-shadow:4px 4px 4px 4px rgb(161, 187,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1620, 0.3232, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 187, 145) }
```

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

```
.background{ background-color: rgb(161,  
187, 145) }
```

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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