

Converting Colors

$Y_{xy}(45.0793, 0.3474, 0.3545)$

Have a look what the booklet for
Yxy(45.0793, 0.3474, 0.3545)
contains.

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Color

Yxy(45.1867, 0.3479, 0.3549)

Conversions

Conversions Part 1

Format	Color
Hex	C4B09C
RGB	196, 176, 156
RGB Percent	77%, 69%, 61%
CMY	0.2313, 0.3098, 0.3882
CMYK	0.00, 0.10, 0.20, 0.23
HSL	30°, 25%, 69%
HSV	30°, 20%, 77%
XYZ	44.2954, 45.1867, 37.8402
YIQ	179.7000, 18.3400, -1.9800

Conversions

Conversions Part 2

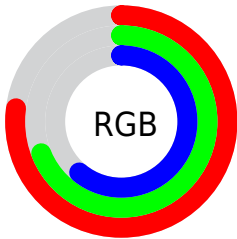
Format	Color
R_{YB}	196, 196, 156
Decimal	12890268
CIE _{Lab}	73.01, 3.97, 12.86
CIE _{LCh}	73, 13.459, 72.846
Yxy	45.1867, 0.3479, 0.3549
Android (android.graphics.Color)	4291080348 (0xFFC4B09C)
YUV	179.7000, -11.6841, 14.2951
Hunter-Lab	67.2211, -0.0139, 13.6791

Details

The Yxy color $45.1867, 0.3479, 0.3549$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $42.1165, 0.2808, 0.3016$, and the grayscale version is $45.5313, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2990, 0.3411, 0.3502$, and $21.1860, 0.3578, 0.3625$ is the 20% darker color. If you saturate the color by 10%, you get $40.8687, 0.3687, 0.3683$, and if you desaturate by 10%, it is $49.8939, 0.3295, 0.3419$.

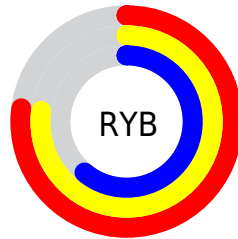
Distribution



Red (77%)

Green (69%)

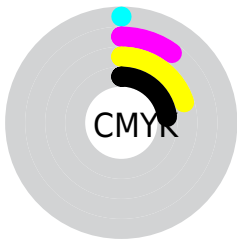
Blue (61%)



Red (77%)

Yellow (77%)

Blue (61%)

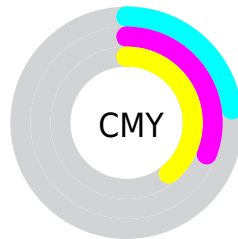


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (23%)



Cyan (23%)


Magenta (31%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1867, 0.3479, 0.3549 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 45.1867, 0.3479, 0.3549 by changing the saturation by 10% instead.


 45.1867, 0.3479,
0.3549


 45.1867, 0.3479,
0.3549


367.5292, 0.3302,
0.3421

 31.6045, 0.3524,
0.3581


 83.0005, 0.3414,
0.3503

 21.0596, 0.3581,
0.3621


 108.0009, 0.3390,
0.3485

 13.1676, 0.3658,
0.3674


137.5762, 0.3369,
0.3470

 7.5440, 0.3766,
0.3747

172.1107, 0.3352,
0.3457

 3.8046, 0.3927,
0.3853

211.9888, 0.3337,
0.3446

 1.5649, 0.4223,
0.4046

257.5951, 0.3324,

 0.3337, 0.5537,

0.3437

0.4463

309.3137, 0.3312,
0.3428

0.0000, 0.0000,
0.0000

45.1867, 0.3479,
0.3549

45.1867, 0.3479,
0.3549

40.8687, 0.3687,
0.3683

49.8939, 0.3295,
0.3419

36.9229, 0.3920,
0.3817

54.9946, 0.3133,
0.3295

33.3397, 0.4174,
0.3942

60.5009, 0.2993,
0.3180

30.1067, 0.4444,
0.4049

66.4224, 0.2870,
0.3073

27.2108, 0.4719,
0.4126

72.7682, 0.2763,
0.2975

■ 24.6375, 0.4983,
0.4161

■ 78.2897, 0.2767,
0.3073

■ 22.3705, 0.5219,
0.4144

■ 84.0575, 0.2775,
0.3179

■ 20.4620, 0.5414,
0.4083

■ 90.1398, 0.2783,
0.3283

■ 90.4789, 0.2784,
0.3289

Harmonies

Analogous

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



45.1867, 0.3499, 0.3412



45.1867, 0.3479, 0.3549



45.1867, 0.3362, 0.3622

Triad

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



45.1867, 0.3479, 0.3549



45.1867, 0.2845, 0.3322



45.1867, 0.3061, 0.3001

Complementary

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



45.1867, 0.3479, 0.3549



42.1165, 0.2808, 0.3016

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.



45.1867, 0.2891, 0.2971



45.1867, 0.3479, 0.3549



45.1867, 0.2769, 0.3150

Square

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



45.1867, 0.3479, 0.3549



45.1867, 0.2995, 0.3491



45.1867, 0.2786, 0.3024



45.1867, 0.3254, 0.3101

Rectangle

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



45.1867, 0.3479, 0.3549



45.1867, 0.3248, 0.3620



45.1867, 0.2786, 0.3024



45.1867, 0.2999, 0.2982

Sweetspot

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



45.1887, 0.3479, 0.3549



94.2656, 0.3222, 0.3364



38.6781, 0.3328, 0.3024



20.0466, 0.3233, 0.3373



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.1887, 0.3479, 0.3549



78.6597, 0.3559, 0.3602



53.3292, 0.3433, 0.3785



10.8906, 0.3277, 0.3405



13.3165, 0.5393, 0.4100



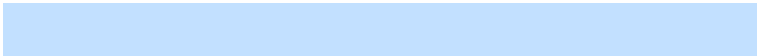
0.7133, 0.5056, 0.4367

Inverse Universe

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



42.1165, 0.2808, 0.3016



72.2024, 0.2744, 0.2956



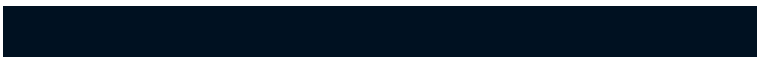
35.0569, 0.2790, 0.2742



10.5620, 0.2984, 0.3172



8.3552, 0.1777, 0.1597



0.4989, 0.1890, 0.2003

Previews

White Background



This preview shows how the Yxy color 45.1867, 0.3479, 0.3549 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 45.1867, 0.3479, 0.3549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

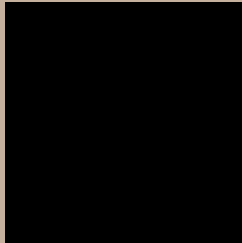
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1867, 0.3479, 0.3549

Background



This preview shows how black text looks on a background with the Yxy color 45.1867, 0.3479, 0.3549.



This preview shows how white text looks on a background with the Yxy color 45.1867, 0.3479, 0.3549.

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

45.1867, 0.3479, 0.3549

Protanopia

45.3659, 0.3389, 0.3581

Deuteranopia

45.3006, 0.3562, 0.3492



Tritanopia

45.2872, 0.3269, 0.3128

Trichromacy



Original Color

45.1867, 0.3479, 0.3549

Protanomaly

45.3515, 0.3419, 0.3565

Deuteranomaly

45.2630, 0.3531, 0.3507

Tritanomaly

45.0852, 0.3354, 0.3278

Monochromacy



Original Color

45.1867, 0.3479, 0.3549

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6196, 0.3254, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1867, 0.3479, 0.3549 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(196, 176, 156)` looks like.

```
.text, #text, p{  
    color:rgb(196, 176, 156)  
}
```

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(196, 176, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 176, 156) }
```

Border

The CSS property to change the border of an element to Yxy 45.1867, 0.3479, 0.3549 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(196, 176, 156) }
```

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

```
.border{ border-color:rgb(196, 176, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 176, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 176, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 176, 156);  
box-shadow:4px 4px 4px 4px rgb(196, 176,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1867, 0.3479, 0.3549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 176, 156) }
```

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

```
.background{ background-color: rgb(196,  
176, 156) }
```

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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