

Converting Colors

$Yxy(33.0220, 0.3497, 0.3586)$

Have a look what the booklet for
Yxy(33.0220, 0.3497, 0.3586)
contains.

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Color

Yxy(33.0220, 0.3497, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	AA9985
RGB	170, 153, 133
RGB Percent	67%, 60%, 52%
CMY	0.3333, 0.4000, 0.4785
CMYK	0.00, 0.10, 0.22, 0.33
HSL	32°, 18%, 59%
HSV	32°, 22%, 67%
XYZ	32.2024, 33.0220, 26.8615
YIQ	155.8030, 16.5520, -2.6160

Conversions

Conversions Part 2

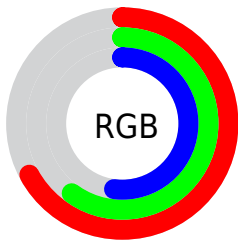
Format	Color
RYB	164, 170, 133
Decimal	11180421
CIELab	64.18, 2.97, 12.80
CIELCh	64, 13.144, 76.943
Yxy	33.0220, 0.3497, 0.3586
Android (android.graphics.Color)	4289370501 (0xFFAA9985)
YUV	155.8030, -11.2419, 12.4508
Hunter-Lab	57.4648, -0.5345, 12.5107

Details

The Yxy color **33.0220, 0.3497, 0.3586** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6967, 0.2788, 0.2975**, and the grayscale version is **33.1994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3396, 0.3428, 0.3526**, and **13.9092, 0.3620, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **30.1181, 0.3701, 0.3729**, and if you desaturate by 10%, it is **36.1722, 0.3315, 0.3446**.

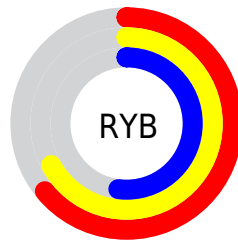
Distribution



Red (67%)

Green (60%)

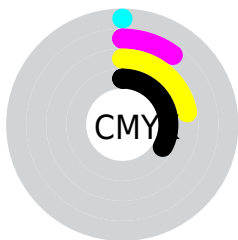
Blue (52%)



Red (64%)

Yellow (67%)

Blue (52%)

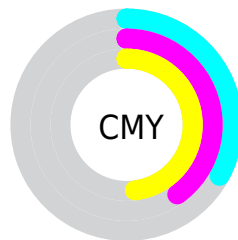


Cyan (0%)

Magenta (10%)

Yellow (22%)

Black (33%)



Cyan (33%)


Magenta (40%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0220, 0.3497, 0.3586 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 33.0220, 0.3497, 0.3586 by changing the saturation by 10% instead.


 33.0220, 0.3497,
0.3586


 33.0220, 0.3497,
0.3586


315.7489, 0.3301,
0.3431


 22.1433, 0.3550,
0.3627


 64.4099, 0.3423,
0.3528

 13.9622, 0.3620,
0.3681


 85.6878, 0.3396,
0.3507

 8.0944, 0.3717,
0.3754


 111.2010, 0.3374,
0.3489

 4.1554, 0.3862,
0.3861

141.3338, 0.3355,
0.3474

 1.7609, 0.4102,
0.4033

176.4706, 0.3338,
0.3461

 0.4626, 0.5254,
0.4746

216.9957, 0.3324,

 0.0000, 0.0000,

0.3450

0.0000

263.2937, 0.3312,
0.3440

■ 33.0220, 0.3497,
0.3586

■ 33.0220, 0.3497,
0.3586

■ 30.1181, 0.3701,
0.3729

■ 36.1722, 0.3315,
0.3446

■ 27.4492, 0.3925,
0.3871

■ 39.5707, 0.3154,
0.3313

■ 25.0096, 0.4166,
0.4003

■ 43.2252, 0.3012,
0.3188

■ 22.7915, 0.4419,
0.4117

■ 47.1417, 0.2887,
0.3072

■ 20.7868, 0.4672,
0.4199

■ 51.3259, 0.2778,
0.2965

■ 18.9861, 0.4912,
0.4240

■ 55.7834, 0.2682,
0.2867

■ 17.3793, 0.5124,
0.4229

■ 60.5194, 0.2598,
0.2777

■ 16.1886, 0.5280,
0.4190

■ 64.6050, 0.2594,
0.2838

■ 68.6881, 0.2606,
0.2930

Harmonies

Analogous

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



33.0220, 0.3535, 0.3444



33.0220, 0.3497, 0.3586



33.0220, 0.3358, 0.3653

Triad

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



33.0220, 0.3497, 0.3586



33.0220, 0.2805, 0.3298



33.0220, 0.3083, 0.2988

Complementary

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



33.0220, 0.3497, 0.3586



29.6967, 0.2788, 0.2975

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.



33.0220, 0.2893, 0.2944



33.0220, 0.3497, 0.3586



33.0220, 0.2736, 0.3115

Square

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



33.0220, 0.3497, 0.3586



33.0220, 0.2958, 0.3486



33.0220, 0.2768, 0.2988



33.0220, 0.3292, 0.3105

Rectangle

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



33.0220, 0.3497, 0.3586



33.0220, 0.3230, 0.3642



33.0220, 0.2768, 0.2988



33.0220, 0.3015, 0.2964

Sweetspot

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



33.0235, 0.3497, 0.3586



68.4351, 0.3237, 0.3383



27.5284, 0.3362, 0.3035



15.1832, 0.3247, 0.3391



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.0235, 0.3497, 0.3586



57.3838, 0.3590, 0.3653



38.8544, 0.3436, 0.3823



8.1891, 0.3273, 0.3412



12.0203, 0.5265, 0.4202



0.3930, 0.4825, 0.4551

Inverse Universe

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



29.6967, 0.2788, 0.2975



50.2897, 0.2711, 0.2897



24.7602, 0.2781, 0.2699



7.8470, 0.2987, 0.3165



6.2601, 0.1743, 0.1475



0.2553, 0.1922, 0.2120

Previews

White Background



This preview shows how the Yxy color 33.0220, 0.3497, 0.3586 looks on a white background.

Color Contrast Check

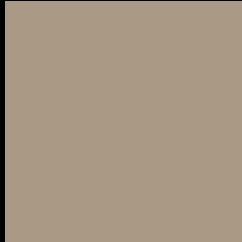
Large Text (above 18pt) WCAG AA × Fail

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 33.0220, 0.3497, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

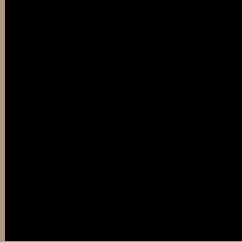
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

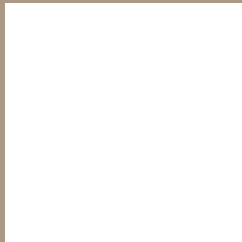
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0220, 0.3497, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 33.0220, 0.3497, 0.3586.



This preview shows how white text looks on a background with the Yxy color 33.0220, 0.3497, 0.3586.

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

33.0220, 0.3497, 0.3586

Protanopia

32.9505, 0.3408, 0.3607

Deuteranopia

32.9989, 0.3582, 0.3521



Tritanopia

32.9523, 0.3258, 0.3120

Trichromacy



Original Color

33.0220, 0.3497, 0.3586

Protanomaly

32.9394, 0.3442, 0.3589

Deuteranomaly

32.9684, 0.3546, 0.3538

Tritanomaly

32.8177, 0.3345, 0.3276

Monochromacy



Original Color

33.0220, 0.3497, 0.3586

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1579, 0.3252, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0220, 0.3497, 0.3586 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, 153, 133)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 133)  
}
```

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, 153, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 133) }
```

Border

The CSS property to change the border of an element to Yxy 33.0220, 0.3497, 0.3586 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, 153, 133) }
```

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

```
.border{ border-color:rgb(170, 153, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 133);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0220, 0.3497, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 133) }
```

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

```
.background{ background-color: rgb(170,  
153, 133) }
```

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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