

Converting Colors

$Yxy(36.8516, 0.3735, 0.3996)$

Have a look what the booklet for
Yxy(36.8516, 0.3735, 0.3996)
contains.

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Color

Yxy(36.8516, 0.3735, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	B2A371
RGB	178, 163, 113
RGB Percent	70%, 64%, 44%
CMY	0.3018, 0.3608, 0.5568
CMYK	0.00, 0.08, 0.37, 0.30
HSL	46°, 30%, 57%
HSV	46°, 37%, 70%
XYZ	34.4446, 36.8516, 20.9250
YIQ	161.7850, 24.9900, -12.3700

Conversions

Conversions Part 2

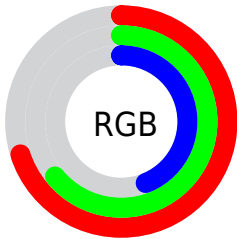
Format	Color
RYB	133, 178, 113
Decimal	11707249
CIELab	67.17, -2.00, 27.97
CIElCh	67, 28.044, 94.081
Yxy	36.8516, 0.3735, 0.3996
Android (android.graphics.Color)	4289897329 (0xFFB2A371)
YUV	161.7850, -24.0510, 14.2206
Hunter-Lab	60.7055, -4.9528, 22.0568

Details

The Yxy color **36.8516, 0.3735, 0.3996** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.1818, 0.2509, 0.2465**, and the grayscale version is **36.1345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5216, 0.3626, 0.3867**, and **16.0241, 0.3916, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **35.0518, 0.3917, 0.4184**, and if you desaturate by 10%, it is **38.7812, 0.3556, 0.3800**.

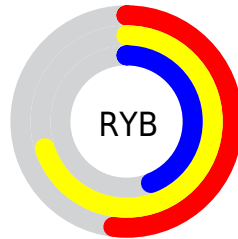
Distribution



Red (70%)

Green (64%)

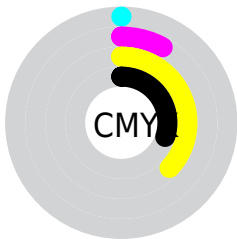
Blue (44%)



Red (52%)

Yellow (70%)

Blue (44%)

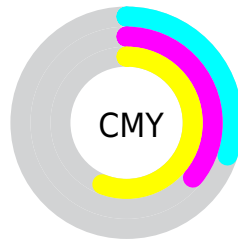


Cyan (0%)

Magenta (8%)

Yellow (37%)

Black (30%)



Cyan (30%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8516, 0.3735, 0.3996 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 36.8516, 0.3735, 0.3996 by changing the saturation by 10% instead.


 36.8516, 0.3735,
0.3996


 36.8516, 0.3735,
0.3996


332.6676, 0.3424,
0.3632


 25.0926, 0.3813,
0.4089


 70.3445, 0.3621,
0.3862

 16.1461, 0.3912,
0.4208


 92.8472, 0.3579,
0.3812

 9.6276, 0.4041,
0.4365


 119.6999, 0.3543,
0.3770

 5.1527, 0.4212,
0.4577

 151.2870, 0.3512,
0.3734

 2.3372, 0.4650,
0.5103

187.9930, 0.3486,
0.3703

 0.7933, 0.4706,
0.5294

230.2021, 0.3463,

 0.0000, 0.0000,

0.3676

0.0000

278.2988, 0.3442,
0.3653

■ 36.8516, 0.3735,
0.3996

■ 36.8516, 0.3735,
0.3996

■ 35.0518, 0.3917,
0.4184

■ 38.7812, 0.3556,
0.3800

■ 33.3715, 0.4096,
0.4353

■ 40.8400, 0.3385,
0.3603

■ 31.8069, 0.4265,
0.4495

■ 43.0343, 0.3225,
0.3411

■ 30.3518, 0.4416,
0.4600

■ 45.3680, 0.3077,
0.3227

■ 28.9990, 0.4542,
0.4660

■ 47.8452, 0.2942,
0.3055

■ 27.7391, 0.4639,
0.4674

■ 50.4694, 0.2820,
0.2894

■ 27.3158, 0.4670,
0.4674

■ 53.2444, 0.2710,
0.2746

■ 56.1446, 0.2614,
0.2614

■ 58.0279, 0.2620,
0.2663

Harmonies

Analogous

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



36.8516, 0.3951, 0.3758



36.8516, 0.3735, 0.3996



36.8516, 0.3362, 0.4046

Triad

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



36.8516, 0.3735, 0.3996



36.8516, 0.2381, 0.3063



36.8516, 0.3276, 0.2810

Complementary

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



36.8516, 0.3735, 0.3996



22.1818, 0.2509, 0.2465

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.



36.8516, 0.2853, 0.2639



36.8516, 0.3735, 0.3996



36.8516, 0.2361, 0.2757

Square

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



36.8516, 0.3735, 0.3996



36.8516, 0.2587, 0.3472



36.8516, 0.2527, 0.2614



36.8516, 0.3681, 0.3091

Rectangle

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



36.8516, 0.3735, 0.3996



36.8516, 0.3079, 0.3943



36.8516, 0.2527, 0.2614



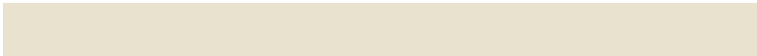
36.8516, 0.3130, 0.2739

Sweetspot

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



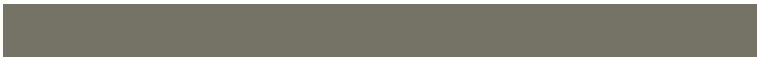
36.8533, 0.3735, 0.3996



76.1171, 0.3298, 0.3500



22.8467, 0.3786, 0.3069



16.7463, 0.3320, 0.3526



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.8533, 0.3735, 0.3996



64.0944, 0.3885, 0.4152



40.5931, 0.3500, 0.4236



9.5666, 0.3269, 0.3464



19.6351, 0.4663, 0.4679



0.6994, 0.4508, 0.4803

Inverse Universe

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



22.1818, 0.2509, 0.2465



33.5408, 0.2354, 0.2239



19.8038, 0.2645, 0.2257



8.5387, 0.2985, 0.3110



3.5256, 0.1576, 0.0873



0.2004, 0.1726, 0.1412

Previews

White Background



This preview shows how the Yxy color 36.8516, 0.3735, 0.3996 looks on a white background.

Color Contrast Check

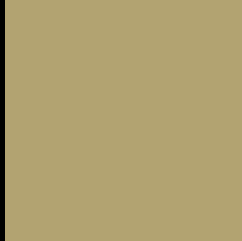
Large Text (above 18pt) WCAG AA × Fail

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 36.8516, 0.3735, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

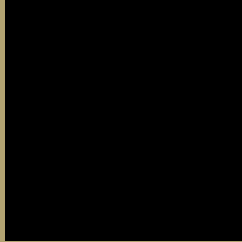
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8516, 0.3735, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 36.8516, 0.3735, 0.3996.



This preview shows how white text looks on a background with the Yxy color 36.8516, 0.3735, 0.3996.

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

36.8516, 0.3735, 0.3996

Protanopia

36.7338, 0.3724, 0.3999

Deuteranopia

36.9309, 0.3933, 0.3863



Tritanopia

36.7944, 0.3292, 0.3128

Trichromacy



Original Color

36.8516, 0.3735, 0.3996

Protanomaly

36.7338, 0.3724, 0.3999

Deuteranomaly

36.8300, 0.3860, 0.3903

Tritanomaly

36.8795, 0.3458, 0.3444

Monochromacy



Original Color

36.8516, 0.3735, 0.3996

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1791, 0.3348, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8516, 0.3735, 0.3996 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(178, 163, 113)` looks like.

```
.text, #text, p{  
    color:rgb(178, 163, 113)  
}
```

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(178, 163, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 163, 113) }
```

Border

The CSS property to change the border of an element to Yxy 36.8516, 0.3735, 0.3996 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(178, 163, 113) }
```

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

```
.border{ border-color:rgb(178, 163, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 163, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 163, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 163, 113);  
box-shadow:4px 4px 4px 4px rgb(178, 163,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8516, 0.3735, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 163, 113) }
```

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

```
.background{ background-color: rgb(178,  
163, 113) }
```

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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