

Converting Colors

$Y_{xy}(31.6730, 0.3714, 0.3772)$

Have a look what the booklet for
Yxy(31.6730, 0.3714, 0.3772)
contains.

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Color

Yxy(31.6401, 0.3717, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	AD9574
RGB	173, 149, 116
RGB Percent	68%, 58%, 45%
CMY	0.3215, 0.4157, 0.5450
CMYK	0.00, 0.14, 0.33, 0.32
HSL	35°, 26%, 57%
HSV	35°, 33%, 68%
XYZ	31.1375, 31.6401, 20.9929
YIQ	152.4140, 24.8970, -5.1750

Conversions

Conversions Part 2

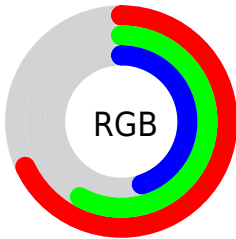
Format	Color
RYB	157, 173, 116
Decimal	11375988
CIELab	63.04, 3.97, 20.74
CIElCh	63, 21.120, 79.156
Yxy	31.6401, 0.3717, 0.3777
Android (android.graphics.Color)	4289566068 (0xFFAD9574)
YUV	152.4140, -17.9521, 18.0539
Hunter-Lab	56.2495, 0.3737, 17.2471

Details

The Yxy color **31.6401, 0.3717, 0.3777** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.4996, 0.2600, 0.2747**, and the grayscale version is **31.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1970, 0.3599, 0.3685**, and **13.1458, 0.3914, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **29.0401, 0.3936, 0.3927**, and if you desaturate by 10%, it is **34.4625, 0.3516, 0.3624**.

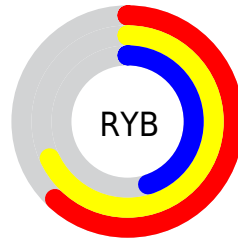
Distribution



Red (68%)

Green (58%)

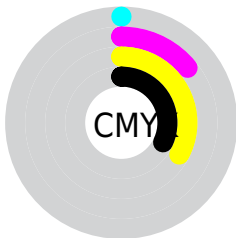
Blue (45%)



Red (62%)

Yellow (68%)

Blue (45%)

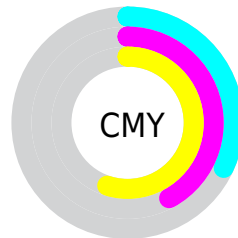


Cyan (0%)

Magenta (14%)

Yellow (33%)

Black (32%)



Cyan (32%)

Magenta (42%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6401, 0.3717, 0.3777 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 31.6401, 0.3717, 0.3777 by changing the saturation by 10% instead.

■ 31.6401, 0.3717,
0.3777

■ 31.6401, 0.3717,
0.3777

309.4765, 0.3403,
0.3523

■ 21.0868, 0.3801,
0.3843

■ 62.2465, 0.3599,
0.3682

■ 13.1874, 0.3912,
0.3929

■ 83.0682, 0.3556,
0.3648

■ 7.5577, 0.4064,
0.4043

■ 108.0816, 0.3520,
0.3618

■ 3.8133, 0.4283,
0.4202

137.6710, 0.3489,
0.3594

■ 1.5697, 0.4920,
0.4713

172.2208, 0.3463,
0.3572

■ 0.3370, 0.5532,
0.4468

212.1154, 0.3441,

■ 0.0000, 0.0000,

0.3554

0.0000

257.7392, 0.3421,
0.3537

■ 31.6401, 0.3717,
0.3777

■ 31.6401, 0.3717,
0.3777

■ 29.0401, 0.3936,
0.3927

■ 34.4625, 0.3516,
0.3624

■ 26.6513, 0.4168,
0.4066

■ 37.5094, 0.3334,
0.3474

■ 24.4679, 0.4408,
0.4185

■ 40.7881, 0.3171,
0.3331

■ 22.4821, 0.4643,
0.4270

■ 44.3047, 0.3027,
0.3196

■ 20.6850, 0.4862,
0.4313

■ 48.0645, 0.2900,
0.3070

■ 19.0668, 0.5052,
0.4304

■ 52.0730, 0.2788,
0.2954

■ 18.0207, 0.5173,
0.4275

■ 56.3352, 0.2689,
0.2848

■ 60.8561, 0.2603,
0.2750

■ 64.5155, 0.2610,
0.2830

Harmonies

Analogous

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



31.6401, 0.3797, 0.3546



31.6401, 0.3717, 0.3777



31.6401, 0.3476, 0.3890

Triad

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



31.6401, 0.3717, 0.3777



31.6401, 0.2595, 0.3272



31.6401, 0.3076, 0.2821

Complementary

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



31.6401, 0.3717, 0.3777



25.4996, 0.2600, 0.2747

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.



31.6401, 0.2766, 0.2740



31.6401, 0.3717, 0.3777



31.6401, 0.2500, 0.2978

Square

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



31.6401, 0.3717, 0.3777



31.6401, 0.2828, 0.3593



31.6401, 0.2561, 0.2791



31.6401, 0.3416, 0.3010

Rectangle

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



31.6401, 0.3717, 0.3777



31.6401, 0.3262, 0.3869



31.6401, 0.2561, 0.2791



31.6401, 0.2965, 0.2780

Sweetspot

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



31.6416, 0.3717, 0.3777



68.7454, 0.3287, 0.3434



23.2953, 0.3549, 0.2924



14.7704, 0.3310, 0.3454



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.



31.6416, 0.3717, 0.3777



53.0095, 0.3885, 0.3894



39.6160, 0.3577, 0.4106



8.7559, 0.3273, 0.3421



13.3503, 0.5159, 0.4285



0.4766, 0.4796, 0.4574

Inverse Universe

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



25.4996, 0.2600, 0.2747



40.2084, 0.2469, 0.2593



19.4918, 0.2586, 0.2343



8.2912, 0.2986, 0.3155



5.8167, 0.1710, 0.1355



0.2716, 0.1881, 0.1972

Previews

White Background



This preview shows how the Yxy color 31.6401, 0.3717, 0.3777 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 31.6401, 0.3717, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

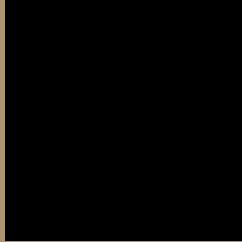
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6401, 0.3717, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 31.6401, 0.3717, 0.3777.



This preview shows how white text looks on a background with the Yxy color 31.6401, 0.3717, 0.3777.

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

31.6401, 0.3717, 0.3777

Protanopia

31.5510, 0.3574, 0.3809

Deuteranopia

31.4258, 0.3787, 0.3710



Tritanopia

31.6602, 0.3368, 0.3134

Trichromacy



Original Color

31.6401, 0.3717, 0.3777

Protanomaly

31.6331, 0.3632, 0.3803

Deuteranomaly

31.4989, 0.3760, 0.3727

Tritanomaly

31.7110, 0.3499, 0.3363

Monochromacy



Original Color

31.6401, 0.3717, 0.3777

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4709, 0.3336, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6401, 0.3717, 0.3777 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(173, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(173, 149, 116)  
}
```

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(173, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 149, 116) }
```

Border

The CSS property to change the border of an element to Yxy 31.6401, 0.3717, 0.3777 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(173, 149, 116) }
```

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

```
.border{ border-color:rgb(173, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(173, 149,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6401, 0.3717, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 149, 116) }
```

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

```
.background{ background-color: rgb(173,  
149, 116) }
```

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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