

Converting Colors

$Y_{xy}(30.4305, 0.3974, 0.4172)$

Have a look what the booklet for
Yxy(30.4305, 0.3974, 0.4172)
contains.

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Color

Yxy(30.4304, 0.3966, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	AA9458
RGB	170, 148, 88
RGB Percent	67%, 58%, 35%
CMY	0.3334, 0.4196, 0.6549
CMYK	0.00, 0.13, 0.48, 0.33
HSL	44°, 33%, 51%
HSV	44°, 48%, 67%
XYZ	28.9278, 30.4304, 13.5814
YIQ	147.7380, 32.3720, -13.9960

Conversions

Conversions Part 2

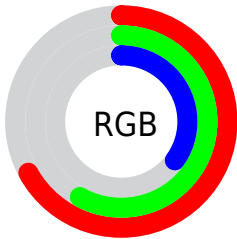
Format	Color
RYB	118, 170, 88
Decimal	11179096
CIELab	62.02, 0.02, 34.59
CIELCh	62, 34.595, 89.970
Yxy	30.4304, 0.3966, 0.4172
Android (android.graphics.Color)	4289369176 (0xFFAA9458)
YUV	147.7380, -29.4508, 19.5238
Hunter-Lab	55.1638, -2.9313, 24.0174

Details

The Yxy color **30.4304, 0.3966, 0.4172** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1260, 0.2302, 0.2202**, and the grayscale version is **29.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4360, 0.3806, 0.4003**, and **12.6016, 0.4214, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **28.7801, 0.4154, 0.4331**, and if you desaturate by 10%, it is **32.2056, 0.3776, 0.3994**.

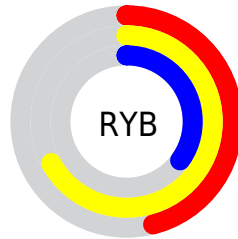
Distribution



Red (67%)

Green (58%)

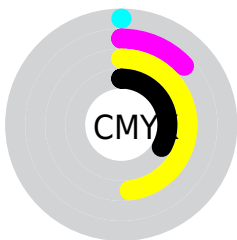
Blue (35%)



Red (46%)

Yellow (67%)

Blue (35%)

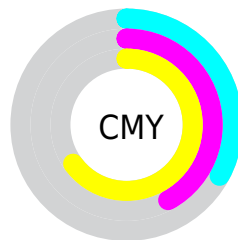


Cyan (0%)

Magenta (13%)

Yellow (48%)

Black (33%)



Cyan (33%)


Magenta (42%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4304, 0.3966, 0.4172 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 30.4304, 0.3966, 0.4172 by changing the saturation by 10% instead.


 30.4304, 0.3966,
0.4172

 30.4304, 0.3966,
0.4172


303.9055, 0.3528,
0.3712

 20.1655, 0.4076,
0.4288


 60.3422, 0.3805,
0.4003


 12.5154, 0.4215,
0.4434

 80.7578, 0.3745,
0.3940

 7.0957, 0.4390,
0.4618


 105.3259, 0.3694,
0.3886

 3.5220, 0.4712,
0.4956

 134.4307, 0.3651,
0.3841

 1.4100, 0.4874,
0.5126

 168.4567, 0.3614,
0.3802

 0.2240, 0.4878,
0.5122

207.7882, 0.3582,

 0.0000, 0.0000,

0.3768

0.0000

252.8097, 0.3553,
0.3738

■ 30.4304, 0.3966,
0.4172

■ 30.4304, 0.3966,
0.4172

■ 28.7801, 0.4154,
0.4331

■ 32.2056, 0.3776,
0.3994

■ 27.2450, 0.4333,
0.4462

■ 34.1062, 0.3591,
0.3808

■ 25.8208, 0.4495,
0.4554

■ 36.1382, 0.3415,
0.3620

■ 24.5007, 0.4630,
0.4601

■ 38.3055, 0.3252,
0.3436

■ 23.2735, 0.4739,
0.4605

■ 40.6123, 0.3102,
0.3260

■ 23.0633, 0.4758,
0.4604

■ 43.0622, 0.2965,
0.3094

■ 45.6587, 0.2842,
0.2940

■ 48.4053, 0.2732,
0.2797

■ 51.3052, 0.2633,
0.2666

Harmonies

Analogous

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



30.4304, 0.4223, 0.3822



30.4304, 0.3966, 0.4172



30.4304, 0.3493, 0.4306

Triad

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



30.4304, 0.3966, 0.4172



30.4304, 0.2188, 0.3046



30.4304, 0.3236, 0.2636

Complementary

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



30.4304, 0.3966, 0.4172



16.1260, 0.2302, 0.2202

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.



30.4304, 0.2697, 0.2442



30.4304, 0.3966, 0.4172



30.4304, 0.2134, 0.2631

Square

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



30.4304, 0.3966, 0.4172



30.4304, 0.2473, 0.3604



30.4304, 0.2310, 0.2431



30.4304, 0.3790, 0.2972

Rectangle

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



30.4304, 0.3966, 0.4172



30.4304, 0.3127, 0.4209



30.4304, 0.2310, 0.2431



30.4304, 0.3047, 0.2553

Sweetspot

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



30.4318, 0.3966, 0.4172



67.1095, 0.3349, 0.3546



16.6777, 0.4044, 0.2939



14.7836, 0.3384, 0.3585



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.



30.4318, 0.3966, 0.4172



51.9869, 0.4169, 0.4343



36.1490, 0.3643, 0.4521



8.4284, 0.3268, 0.3454



17.0624, 0.4751, 0.4610



0.4926, 0.4531, 0.4784

Inverse Universe

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



16.1260, 0.2302, 0.2202



22.9576, 0.2107, 0.1906



12.9315, 0.2406, 0.1868



7.6157, 0.2986, 0.3120



3.6297, 0.1598, 0.0953



0.1707, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 30.4304, 0.3966, 0.4172 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 30.4304, 0.3966, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

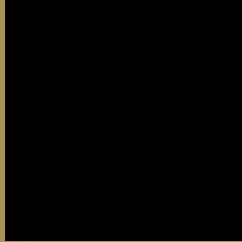
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4304, 0.3966, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 30.4304, 0.3966, 0.4172.



This preview shows how white text looks on a background with the Yxy color 30.4304, 0.3966, 0.4172.

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

30.4304, 0.3966, 0.4172

Protanopia

30.4265, 0.3876, 0.4209

Deuteranopia

30.3113, 0.4128, 0.4047



Tritanopia

30.2206, 0.3407, 0.3133

Trichromacy



Original Color

30.4304, 0.3966, 0.4172

Protanomaly

30.3232, 0.3905, 0.4188

Deuteranomaly

30.4370, 0.4068, 0.4088

Tritanomaly

30.2021, 0.3626, 0.3512

Monochromacy



Original Color

30.4304, 0.3966, 0.4172

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7541, 0.3430, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4304, 0.3966, 0.4172 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, 148, 88)` looks like.

```
.text, #text, p{  
    color:rgb(170, 148, 88)  
}
```

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, 148, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 148, 88) }
```

Border

The CSS property to change the border of an element to Yxy 30.4304, 0.3966, 0.4172 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, 148, 88) }
```

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

```
.border{ border-color:rgb(170, 148, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 148, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 148, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 148, 88);  
box-shadow:4px 4px 4px 4px rgb(170, 148,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4304, 0.3966, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 148, 88) }
```

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

```
.background{ background-color: rgb(170,  
148, 88) }
```

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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