

Converting Colors

$Yxy(30.9087, 0.4094, 0.4255)$

Have a look what the booklet for
Yxy(30.9087, 0.4094, 0.4255)
contains.

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Color

Yxy(30.8730, 0.4095, 0.4254)

Conversions

Conversions Part 1

Format	Color
Hex	AF9450
RGB	175, 148, 80
RGB Percent	69%, 58%, 31%
CMY	0.3137, 0.4196, 0.6863
CMYK	0.00, 0.15, 0.54, 0.31
HSL	43°, 37%, 50%
HSV	43°, 54%, 69%
XYZ	29.7191, 30.8730, 11.9820
YIQ	148.3210, 37.9200, -15.4240

Conversions

Conversions Part 2

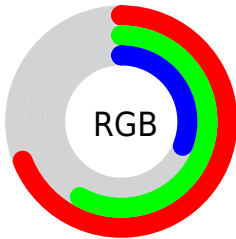
Format	Color
RYB	118, 175, 80
Decimal	11506768
CIELab	62.40, 1.43, 39.33
CIELCh	62, 39.358, 87.912
Yxy	30.8730, 0.4095, 0.4254
Android (android.graphics.Color)	4289696848 (0xFFAF9450)
YUV	148.3210, -33.6823, 23.3975
Hunter-Lab	55.5635, -1.7623, 26.1089

Details

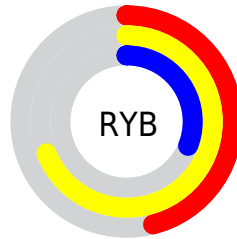
The Yxy color **30.8730, 0.4095, 0.4254** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.3191, 0.2195, 0.2062**, and the grayscale version is **29.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0356, 0.3907, 0.4077**, and **12.8327, 0.4357, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **29.1210, 0.4284, 0.4395**, and if you desaturate by 10%, it is **32.7624, 0.3900, 0.4089**.

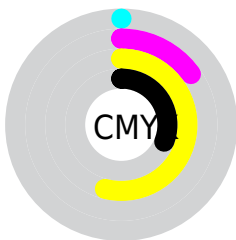
Distribution



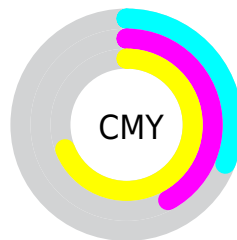
- Red (69%)
- Green (58%)
- Blue (31%)



- Red (46%)
- Yellow (69%)
- Blue (31%)



- Cyan (0%)
- Magenta (15%)
- Yellow (54%)
- Black (31%)





- Cyan (31%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8730, 0.4095, 0.4254 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 30.8730, 0.4095, 0.4254 by changing the saturation by 10% instead.


 30.8730, 0.4095,
0.4254


 30.8730, 0.4095,
0.4254


305.9528, 0.3595,
0.3760


 20.5022, 0.4217,
0.4373


 61.0401, 0.3913,
0.4075


 12.7606, 0.4368,
0.4518


 81.6051, 0.3844,
0.4008


 7.2639, 0.4553,
0.4692


 106.3369, 0.3786,
0.3950

 3.6277, 0.4938,
0.5062

 135.6201, 0.3737,
0.3901

 1.4676, 0.4960,
0.5040

 169.8388, 0.3694,
0.3859

 0.2657, 0.5197,
0.4803

209.3776, 0.3657,

 0.0000, 0.0000,

0.3821

0.0000

254.6208, 0.3624,
0.3789

■ 30.8730, 0.4095,
0.4254

■ 30.8730, 0.4095,
0.4254

■ 29.1210, 0.4284,
0.4395

■ 32.7624, 0.3900,
0.4089

■ 27.4959, 0.4460,
0.4500

■ 34.7904, 0.3708,
0.3910

■ 25.9920, 0.4613,
0.4562

■ 36.9636, 0.3524,
0.3725

■ 24.6012, 0.4737,
0.4576

■ 39.2868, 0.3351,
0.3541

■ 23.8475, 0.4800,
0.4570

■ 41.7646, 0.3191,
0.3364

■ 44.4010, 0.3046,
0.3195

■ 47.2003, 0.2915,
0.3037

■ 50.1663, 0.2797,
0.2891

■ 53.3026, 0.2692,
0.2756

Harmonies

Analogous

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



30.8730, 0.4371, 0.3841



30.8730, 0.4095, 0.4254



30.8730, 0.3571, 0.4446

Triad

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



30.8730, 0.4095, 0.4254



30.8730, 0.2090, 0.3045



30.8730, 0.3202, 0.2540

Complementary

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



30.8730, 0.4095, 0.4254



15.3191, 0.2195, 0.2062

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.



30.8730, 0.2605, 0.2337



30.8730, 0.4095, 0.4254



30.8730, 0.2015, 0.2568

Square

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



30.8730, 0.4095, 0.4254



30.8730, 0.2419, 0.3690



30.8730, 0.2192, 0.2336



30.8730, 0.3837, 0.2902

Rectangle

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



30.8730, 0.4095, 0.4254



30.8730, 0.3161, 0.4362



30.8730, 0.2192, 0.2336



30.8730, 0.2989, 0.2452

Sweetspot

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



30.8745, 0.4095, 0.4254



69.5018, 0.3384, 0.3577



15.9463, 0.4202, 0.2878



15.2591, 0.3418, 0.3614



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.8745, 0.4095, 0.4254



51.5962, 0.4318, 0.4417



38.3126, 0.3710, 0.4662



8.9395, 0.3269, 0.3452



17.1840, 0.4792, 0.4577



0.5649, 0.4574, 0.4750

Inverse Universe

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



15.3191, 0.2195, 0.2062



20.9894, 0.1993, 0.1743



11.4859, 0.2277, 0.1660



8.1143, 0.2986, 0.3123



3.9278, 0.1608, 0.0987



0.2033, 0.1780, 0.1609

Previews

White Background



This preview shows how the Yxy color 30.8730, 0.4095, 0.4254 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 30.8730, 0.4095, 0.4254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

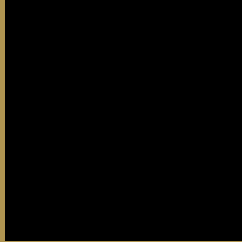
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8730, 0.4095, 0.4254

Background



This preview shows how black text looks on a background with the Yxy color 30.8730, 0.4095, 0.4254.



This preview shows how white text looks on a background with the Yxy color 30.8730, 0.4095, 0.4254.

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

30.8730, 0.4095, 0.4254

Protanopia

30.8343, 0.3963, 0.4321

Deuteranopia

30.8549, 0.4229, 0.4147



Tritanopia

30.8143, 0.3462, 0.3136

Trichromacy



Original Color

30.8730, 0.4095, 0.4254

Protanomaly

30.8418, 0.4004, 0.4294

Deuteranomaly

30.6686, 0.4177, 0.4177

Tritanomaly

30.7093, 0.3714, 0.3552

Monochromacy



Original Color

30.8730, 0.4095, 0.4254

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8790, 0.3483, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8730, 0.4095, 0.4254 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(175, 148, 80)` looks like.

```
.text, #text, p{  
    color:rgb(175, 148, 80)  
}
```

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(175, 148, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 148, 80) }
```

Border

The CSS property to change the border of an element to Yxy 30.8730, 0.4095, 0.4254 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(175, 148, 80) }
```

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

```
.border{ border-color:rgb(175, 148, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 148, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 148, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 148, 80);  
box-shadow:4px 4px 4px 4px rgb(175, 148,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8730, 0.4095, 0.4254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 148, 80) }
```

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

```
.background{ background-color: rgb(175,  
148, 80) }
```

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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