

Converting Colors

$Y_{xy}(29.8996, 0.3977, 0.4075)$

Have a look what the booklet for
Yxy(29.8996, 0.3977, 0.4075)
contains.

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Color

Yxy(29.7942, 0.3971, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	AC915C
RGB	172, 145, 92
RGB Percent	67%, 57%, 36%
CMY	0.3255, 0.4313, 0.6393
CMYK	0.00, 0.16, 0.47, 0.33
HSL	40°, 33%, 52%
HSV	40°, 47%, 67%
XYZ	29.0695, 29.7942, 14.3407
YIQ	147.0310, 33.1050, -10.7590

Conversions

Conversions Part 2

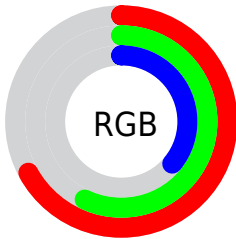
Format	Color
R_{YB}	133, 172, 92
Decimal	11309404
CIE _{Lab}	61.48, 2.93, 31.82
CIE _{LCh}	61, 31.956, 84.746
Yxy	29.7942, 0.3971, 0.4070
Android (android.graphics.Color)	4289499484 (0xFFAC915C)
YUV	147.0310, -27.1303, 21.8978
Hunter-Lab	54.5841, -0.4595, 22.6317

Details

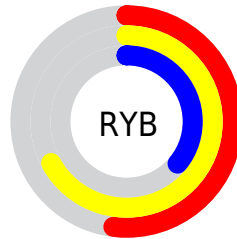
The Yxy color **29.7942, 0.3971, 0.4070** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.4415, 0.2350, 0.2349**, and the grayscale version is **29.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4880, 0.3805, 0.3924**, and **12.2178, 0.4240, 0.4311** is the 20% darker color. If you saturate the color by 10%, you get **27.7999, 0.4181, 0.4220**, and if you desaturate by 10%, it is **31.9502, 0.3766, 0.3904**.

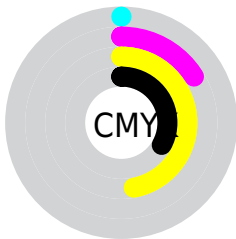
Distribution



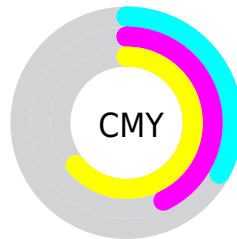
- Red (67%)
- Green (57%)
- Blue (36%)



- Red (52%)
- Yellow (67%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (47%)
- Black (33%)





- Cyan (33%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7942, 0.3971, 0.4070 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 29.7942, 0.3971, 0.4070 by changing the saturation by 10% instead.

 29.7942, 0.3971,
0.4070


 29.7942, 0.3971,
0.4070


300.9440, 0.3525,
0.3664

 19.6824, 0.4086,
0.4172


 59.3366, 0.3805,
0.3921


 12.1644, 0.4234,
0.4301


 79.5360, 0.3744,
0.3865

 6.8558, 0.4427,
0.4463


 103.8667, 0.3692,
0.3818

 3.3721, 0.4752,
0.4737

 132.7131, 0.3649,
0.3778

 1.3289, 0.5056,
0.4944

166.4597, 0.3611,
0.3744

 0.1634, 0.5812,
0.4188

205.4907, 0.3579,

 0.0000, 0.0000,

0.3714

0.0000

250.1907, 0.3550,
0.3687

■ 29.7942, 0.3971,
0.4070

■ 29.7942, 0.3971,
0.4070

■ 27.7999, 0.4181,
0.4220

■ 31.9502, 0.3766,
0.3904

■ 25.9570, 0.4387,
0.4345

■ 34.2691, 0.3572,
0.3732

■ 24.2604, 0.4580,
0.4432

■ 36.7577, 0.3391,
0.3561

■ 22.7024, 0.4751,
0.4474

■ 39.4208, 0.3226,
0.3394

■ 21.2733, 0.4891,
0.4468

■ 42.2629, 0.3077,
0.3236

■ 20.7994, 0.4939,
0.4461

■ 45.2885, 0.2943,
0.3088

■ 48.5018, 0.2824,
0.2951

■ 51.9069, 0.2718,
0.2824

■ 55.5076, 0.2624,
0.2708

Harmonies

Analogous

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



29.7942, 0.4161, 0.3726



29.7942, 0.3971, 0.4070



29.7942, 0.3558, 0.4232

Triad

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



29.7942, 0.3971, 0.4070



29.7942, 0.2280, 0.3151



29.7942, 0.3138, 0.2634

Complementary

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



29.7942, 0.3971, 0.4070



18.4415, 0.2350, 0.2349

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.



29.7942, 0.2651, 0.2479



29.7942, 0.3971, 0.4070



29.7942, 0.2189, 0.2731

Square

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



29.7942, 0.3971, 0.4070



29.7942, 0.2585, 0.3673



29.7942, 0.2318, 0.2505



29.7942, 0.3662, 0.2932

Rectangle

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



29.7942, 0.3971, 0.4070



29.7942, 0.3221, 0.4177



29.7942, 0.2318, 0.2505



29.7942, 0.2964, 0.2565

Sweetspot

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



29.7956, 0.3971, 0.4070



67.7539, 0.3352, 0.3522



17.7783, 0.3912, 0.2871



14.5102, 0.3388, 0.3558



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.



29.7956, 0.3971, 0.4070



50.2665, 0.4191, 0.4227



37.7495, 0.3681, 0.4457



8.8681, 0.3271, 0.3440



15.5832, 0.4929, 0.4468



0.5291, 0.4657, 0.4685

Inverse Universe

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



18.4415, 0.2350, 0.2349



27.1287, 0.2169, 0.2089



13.5730, 0.2381, 0.1903



8.1823, 0.2986, 0.3136



4.5626, 0.1644, 0.1117



0.2297, 0.1821, 0.1757

Previews

White Background



This preview shows how the Yxy color 29.7942, 0.3971, 0.4070 looks on a white background.

Color Contrast Check

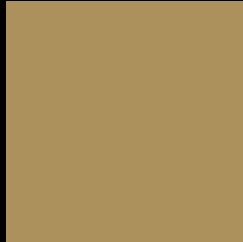
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7942, 0.3971, 0.4070 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 × Fail

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

Yxy 29.7942, 0.3971, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 29.7942, 0.3971, 0.4070.



This preview shows how white text looks on a background with the Yxy color 29.7942, 0.3971, 0.4070.

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

29.7942, 0.3971, 0.4070

Protanopia

29.9666, 0.3822, 0.4146

Deuteranopia

29.8396, 0.4073, 0.3988



Tritanopia

29.6940, 0.3444, 0.3133

Trichromacy



Original Color

29.7942, 0.3971, 0.4070

Protanomaly

30.0771, 0.3873, 0.4118

Deuteranomaly

29.7823, 0.4032, 0.4012

Tritanomaly

29.7222, 0.3644, 0.3483

Monochromacy



Original Color

29.7942, 0.3971, 0.4070

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1580, 0.3425, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7942, 0.3971, 0.4070 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(172, 145, 92)` looks like.

```
.text, #text, p{  
    color:rgb(172, 145, 92)  
}
```

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(172, 145, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 145, 92) }
```

Border

The CSS property to change the border of an element to Yxy 29.7942, 0.3971, 0.4070 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(172, 145, 92) }
```

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

```
.border{ border-color:rgb(172, 145, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 145, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 145, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 145, 92);  
box-shadow:4px 4px 4px 4px rgb(172, 145,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7942, 0.3971, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 145, 92) }
```

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

```
.background{ background-color: rgb(172,  
145, 92) }
```

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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