

Converting Colors

$Y_{xy}(30.5755, 0.4094, 0.4229)$

Have a look what the booklet for
Yxy(30.5755, 0.4094, 0.4229)
contains.

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Color

Yxy(30.5755, 0.4094, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	AF9351
RGB	175, 147, 81
RGB Percent	69%, 58%, 32%
CMY	0.3137, 0.4235, 0.6824
CMYK	0.00, 0.16, 0.54, 0.31
HSL	42°, 37%, 50%
HSV	42°, 54%, 69%
XYZ	29.5995, 30.5755, 12.1246
YIQ	147.8480, 37.8740, -14.5900

Conversions

Conversions Part 2

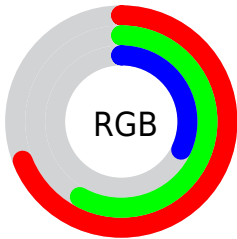
Format	Color
RYB	121, 175, 81
Decimal	11506513
CIELab	62.15, 2.07, 38.52
CIElCh	62, 38.573, 86.928
Yxy	30.5755, 0.4094, 0.4229
Android (android.graphics.Color)	4289696593 (0xFFAF9351)
YUV	147.8480, -32.9561, 23.8123
Hunter-Lab	55.2951, -1.2155, 25.7060

Details

The Yxy color **30.5755, 0.4094, 0.4229** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **15.7822, 0.2210, 0.2101**, and the grayscale version is **29.6766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5950, 0.3905, 0.4057**, and **12.6523, 0.4363, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **28.7624, 0.4289, 0.4369**, and if you desaturate by 10%, it is **32.5326, 0.3896, 0.4066**.

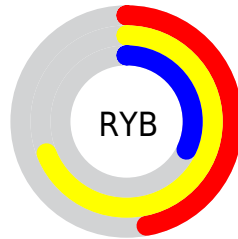
Distribution



Red (69%)

Green (58%)

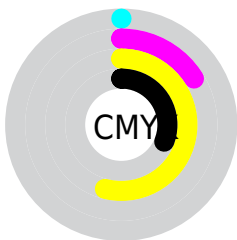
Blue (32%)



Red (47%)

Yellow (69%)

Blue (32%)

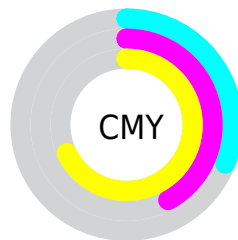


Cyan (0%)

Magenta (16%)

Yellow (54%)

Black (31%)



Cyan (31%)


Magenta (42%)


Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5755, 0.4094, 0.4229 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 30.5755, 0.4094, 0.4229 by changing the saturation by 10% instead.


 30.5755, 0.4094,
0.4229


 30.5755, 0.4094,
0.4229


304.5779, 0.3592,
0.3747

 20.2758, 0.4218,
0.4345

 60.5711, 0.3911,
0.4055


 12.5957, 0.4372,
0.4487


 81.0358, 0.3842,
0.3989


 7.1507, 0.4561,
0.4658


 105.6577, 0.3784,
0.3933

 3.5566, 0.4967,
0.5033

 134.8211, 0.3734,
0.3885

 1.4287, 0.5000,
0.5000

 168.9104, 0.3691,
0.3843

 0.2378, 0.5376,
0.4624

208.3100, 0.3654,

 0.0000, 0.0000,

0.3807

0.0000

253.4044, 0.3621,
0.3775

■ 30.5755, 0.4094,
0.4229

■ 30.5755, 0.4094,
0.4229

■ 28.7624, 0.4289,
0.4369

■ 32.5326, 0.3896,
0.4066

■ 27.0828, 0.4471,
0.4474

■ 34.6352, 0.3701,
0.3889

■ 25.5309, 0.4631,
0.4537

■ 36.8898, 0.3515,
0.3707

■ 24.0986, 0.4762,
0.4550

■ 39.3014, 0.3342,
0.3527

■ 23.2495, 0.4835,
0.4543

■ 41.8746, 0.3183,
0.3353

■ 44.6138, 0.3038,
0.3188

■ 47.5230, 0.2908,
0.3033

■ 50.6062, 0.2791,
0.2891

■ 53.8673, 0.2687,
0.2759

Harmonies

Analogous

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



30.5755, 0.4354, 0.3819



30.5755, 0.4094, 0.4229



30.5755, 0.3585, 0.4425

Triad

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



30.5755, 0.4094, 0.4229



30.5755, 0.2112, 0.3070



30.5755, 0.3180, 0.2542

Complementary

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



30.5755, 0.4094, 0.4229



15.7822, 0.2210, 0.2101

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.



30.5755, 0.2597, 0.2348



30.5755, 0.4094, 0.4229



30.5755, 0.2030, 0.2592

Square

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



30.5755, 0.4094, 0.4229



30.5755, 0.2446, 0.3704



30.5755, 0.2196, 0.2354



30.5755, 0.3807, 0.2894

Rectangle

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



30.5755, 0.4094, 0.4229



30.5755, 0.3182, 0.4351



30.5755, 0.2196, 0.2354



30.5755, 0.2972, 0.2457

Sweetspot

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



30.5770, 0.4094, 0.4229



69.2481, 0.3385, 0.3572



16.1074, 0.4185, 0.2881



15.1963, 0.3419, 0.3608



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.



30.5770, 0.4094, 0.4229



51.0756, 0.4315, 0.4386



38.3460, 0.3706, 0.4649



8.9212, 0.3270, 0.3449



16.7589, 0.4826, 0.4550



0.5555, 0.4595, 0.4734

Inverse Universe

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



15.7822, 0.2210, 0.2101



21.9839, 0.2016, 0.1799



11.6772, 0.2288, 0.1679



8.1317, 0.2986, 0.3126



4.0796, 0.1616, 0.1019



0.2101, 0.1791, 0.1648

Previews

White Background



This preview shows how the Yxy color 30.5755, 0.4094, 0.4229 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 30.5755, 0.4094, 0.4229 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 30.5755, 0.4094, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 30.5755, 0.4094, 0.4229.



This preview shows how white text looks on a background with the Yxy color 30.5755, 0.4094, 0.4229.

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

30.5755, 0.4094, 0.4229

Protanopia

30.4212, 0.3950, 0.4300

Deuteranopia

30.4445, 0.4217, 0.4127



Tritanopia

30.4910, 0.3475, 0.3136

Trichromacy



Original Color

30.5755, 0.4094, 0.4229

Protanomaly

30.5391, 0.4002, 0.4269

Deuteranomaly

30.3795, 0.4176, 0.4152

Tritanomaly

30.4104, 0.3718, 0.3538

Monochromacy



Original Color

30.5755, 0.4094, 0.4229

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.9041, 0.3472, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5755, 0.4094, 0.4229 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, 147, 81)` looks like.

```
.text, #text, p{  
    color:rgb(175, 147, 81)  
}
```

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, 147, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 147, 81) }
```

Border

The CSS property to change the border of an element to Yxy 30.5755, 0.4094, 0.4229 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, 147, 81) }
```

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

```
.border{ border-color:rgb(175, 147, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 147, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 147, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 147, 81);  
box-shadow:4px 4px 4px 4px rgb(175, 147,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5755, 0.4094, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 147, 81) }
```

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

```
.background{ background-color: rgb(175,  
147, 81) }
```

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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