

Converting Colors

$Y_{xy}(30.4329, 0.4179, 0.4576)$

Have a look what the booklet for
Yxy(30.4329, 0.4179, 0.4576)
contains.

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Color

Yxy(30.4329, 0.4179, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	A89639
RGB	168, 150, 57
RGB Percent	66%, 59%, 22%
CMY	0.3412, 0.4117, 0.7765
CMYK	0.00, 0.11, 0.66, 0.34
HSL	50°, 49%, 44%
HSV	50°, 66%, 66%
XYZ	27.7926, 30.4329, 8.2799
YIQ	144.7800, 40.5810, -25.1070

Conversions

Conversions Part 2

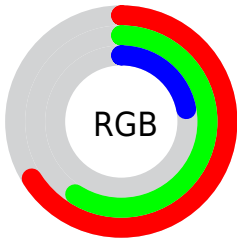
Format	Color
RYB	78, 168, 57
Decimal	11048505
CIELab	62.03, -4.45, 49.79
CIELCh	62, 49.993, 95.106
Yxy	30.4329, 0.4179, 0.4576
Android (android.graphics.Color)	4289238585 (0xFFA89639)
YUV	144.7800, -43.2755, 20.3639
Hunter-Lab	55.1660, -6.6123, 29.7173

Details

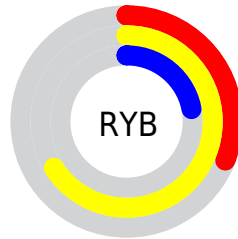
The Yxy color **30.4329, 0.4179, 0.4576** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.7277, 0.1939, 0.1501**, and the grayscale version is **28.3885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4586, 0.3998, 0.4338**, and **12.6251, 0.4401, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **29.4345, 0.4306, 0.4692**, and if you desaturate by 10%, it is **31.5098, 0.4032, 0.4423**.

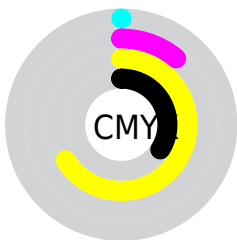
Distribution



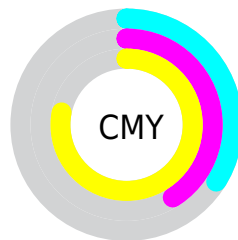
- Red (66%)
- Green (59%)
- Blue (22%)



- Red (31%)
- Yellow (66%)
- Blue (22%)



- Cyan (0%)
- Magenta (11%)
- Yellow (66%)
- Black (34%)



- Cyan (34%)
- Magenta (41%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4329, 0.4179, 0.4576 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 30.4329, 0.4179, 0.4576 by changing the saturation by 10% instead.

■ 30.4329, 0.4179,
0.4576

■ 30.4329, 0.4179,
0.4576

■ 303.9171, 0.3657,
0.3919

■ 20.1674, 0.4292,
0.4727

■ 60.3461, 0.3998,
0.4342

■ 12.5168, 0.4418,
0.4905

■ 80.7626, 0.3927,
0.4252

■ 7.0967, 0.4581,
0.5144

■ 105.3316, 0.3865,
0.4176

■ 3.5226, 0.4667,
0.5333

■ 134.4374, 0.3812,
0.4110

■ 1.4103, 0.4592,
0.5408

■ 168.4645, 0.3766,
0.4052

■ 0.2243, 0.3180,
0.6820

■ 207.7972, 0.3725,

■ 0.0000, 0.0000,

0.4002

0.0000

252.8199, 0.3689,
0.3958

■ 30.4329, 0.4179,
0.4576

■ 30.4329, 0.4179,
0.4576

■ 29.4345, 0.4306,
0.4692

■ 31.5098, 0.4032,
0.4423

■ 28.5045, 0.4408,
0.4766

■ 32.6661, 0.3871,
0.4241

■ 27.6365, 0.4482,
0.4795

■ 33.9076, 0.3704,
0.4041

■ 27.3056, 0.4509,
0.4802

■ 35.2384, 0.3536,
0.3831

■ 36.6625, 0.3372,
0.3619

■ 38.1833, 0.3217,
0.3412

■ 39.8041, 0.3071,
0.3213

■ 41.5280, 0.2937,
0.3026

■ 43.3582, 0.2814,
0.2851

Harmonies

Analogous

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



30.4329, 0.4640, 0.4069



30.4329, 0.4179, 0.4576



30.4329, 0.3472, 0.4775

Triad

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



30.4329, 0.4179, 0.4576



30.4329, 0.1794, 0.2785



30.4329, 0.3411, 0.2455

Complementary

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



30.4329, 0.4179, 0.4576



8.7277, 0.1939, 0.1501

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.



30.4329, 0.2626, 0.2160



30.4329, 0.4179, 0.4576



30.4329, 0.1785, 0.2280

Square

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



30.4329, 0.4179, 0.4576



30.4329, 0.2108, 0.3587



30.4329, 0.2064, 0.2088



30.4329, 0.4202, 0.2922

Rectangle

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



30.4329, 0.4179, 0.4576



30.4329, 0.2958, 0.4598



30.4329, 0.2064, 0.2088



30.4329, 0.3133, 0.2335

Sweetspot

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



30.4343, 0.4179, 0.4576



65.4018, 0.3442, 0.3710



11.7656, 0.4885, 0.3041



14.1040, 0.3486, 0.3767



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4343, 0.4179, 0.4576



52.6622, 0.4354, 0.4730



33.1241, 0.3639, 0.5002



8.5637, 0.3266, 0.3478



20.6840, 0.4505, 0.4805



0.5568, 0.4387, 0.4899

Inverse Universe

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



8.7277, 0.1939, 0.1501



10.6276, 0.1719, 0.1113



8.1330, 0.2221, 0.1374



7.4897, 0.2986, 0.3095



2.7870, 0.1545, 0.0760



0.1237, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 30.4329, 0.4179, 0.4576 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 30.4329, 0.4179, 0.4576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

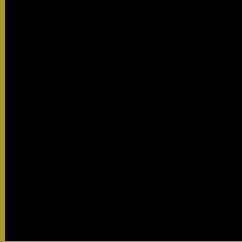
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4329, 0.4179, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 30.4329, 0.4179, 0.4576.



This preview shows how white text looks on a background with the Yxy color 30.4329, 0.4179, 0.4576.

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

30.4329, 0.4179, 0.4576

Protanopia

30.3236, 0.4168, 0.4582

Deuteranopia

30.5255, 0.4442, 0.4359



Tritanopia

30.5142, 0.3405, 0.3147

Trichromacy



Original Color

30.4329, 0.4179, 0.4576

Protanomaly

30.3236, 0.4168, 0.4582

Deuteranomaly

30.5666, 0.4343, 0.4445

Tritanomaly

30.1151, 0.3729, 0.3692

Monochromacy



Original Color

30.4329, 0.4179, 0.4576

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8320, 0.3532, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4329, 0.4179, 0.4576 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(168, 150, 57)` looks like.

```
.text, #text, p{  
    color:rgb(168, 150, 57)  
}
```

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(168, 150, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 150, 57) }
```

Border

The CSS property to change the border of an element to Yxy 30.4329, 0.4179, 0.4576 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(168, 150, 57) }
```

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

```
.border{ border-color:rgb(168, 150, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 150, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 150, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 150, 57);  
box-shadow:4px 4px 4px 4px rgb(168, 150,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4329, 0.4179, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 150, 57) }
```

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

```
.background{ background-color: rgb(168,  
150, 57) }
```

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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