

Converting Colors

$Y_{xy}(29.7936, 0.4551, 0.4235)$

Have a look what the booklet for
Yxy(29.7936, 0.4551, 0.4235)
contains.

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Color

Yxy(29.9832, 0.4554, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	C28A3D
RGB	194, 138, 61
RGB Percent	76%, 54%, 24%
CMY	0.2392, 0.4588, 0.7609
CMYK	0.00, 0.29, 0.69, 0.24
HSL	35°, 52%, 50%
HSV	35°, 69%, 76%
XYZ	32.1809, 29.9832, 8.5010
YIQ	145.9660, 58.0930, -12.0750

Conversions

Conversions Part 2

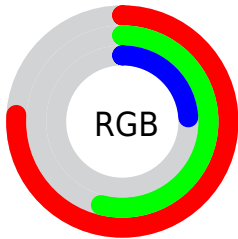
Format	Color
RYB	158, 194, 61
Decimal	12749373
CIELab	61.64, 13.84, 48.38
CIELCh	62, 50.321, 74.041
Yxy	29.9832, 0.4554, 0.4243
Android (android.graphics.Color)	4290939453 (0xFFC28A3D)
YUV	145.9660, -41.8882, 42.1258
Hunter-Lab	54.7569, 9.0806, 29.1251

Details

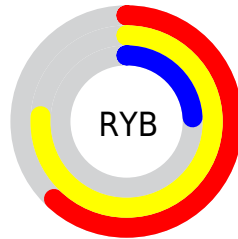
The Yxy color **29.9832, 0.4554, 0.4243** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.6046, 0.2022, 0.1975**, and the grayscale version is **28.8868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5023, 0.4292, 0.4091**, and **12.2268, 0.4935, 0.4412** is the 20% darker color. If you saturate the color by 10%, you get **27.5558, 0.4782, 0.4303**, and if you desaturate by 10%, it is **32.6655, 0.4314, 0.4142**.

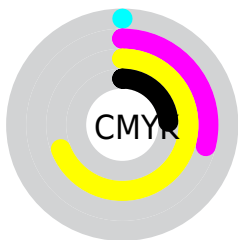
Distribution



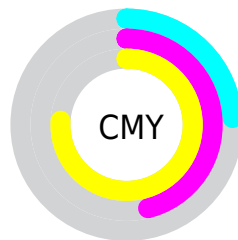
- Red (76%)
- Green (54%)
- Blue (24%)



- Red (62%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (29%)
- Yellow (69%)
- Black (24%)



- Cyan (24%)
- Magenta (46%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9832, 0.4554, 0.4243 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 29.9832, 0.4554, 0.4243 by changing the saturation by 10% instead.


 29.9832, 0.4554,
0.4243


 29.9832, 0.4554,
0.4243


301.8261, 0.3819,
0.3796


 19.8258, 0.4728,
0.4328


 59.6356, 0.4290,
0.4096

 12.2685, 0.4936,
0.4414


 79.8994, 0.4189,
0.4035

 6.9268, 0.5211,
0.4508


 104.3009, 0.4103,
0.3982

 3.4164, 0.5485,
0.4515

 133.2243, 0.4030,
0.3935

 1.3528, 0.5693,
0.4307

 167.0542, 0.3966,
0.3894

 0.1815, 0.7376,
0.2624

 206.1749, 0.3911,

 0.0000, 0.0000,

0.3858

0.0000

250.9707, 0.3862,
0.3825

■ 29.9832, 0.4554,
0.4243

■ 29.9832, 0.4554,
0.4243

■ 27.5558, 0.4782,
0.4303

■ 32.6655, 0.4314,
0.4142

■ 25.3664, 0.4986,
0.4314

■ 35.6092, 0.4075,
0.4013

■ 23.3984, 0.5157,
0.4275

■ 38.8259, 0.3845,
0.3867

■ 23.1331, 0.5181,
0.4268

■ 42.3250, 0.3631,
0.3714

■ 46.1152, 0.3437,
0.3561

■ 50.2048, 0.3262,
0.3412

■ 54.6016, 0.3106,
0.3270

■ 59.3132, 0.2969,
0.3138

■ 64.3467, 0.2848,
0.3016

Harmonies

Analogous

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



29.9832, 0.4733, 0.3660



29.9832, 0.4554, 0.4243



29.9832, 0.3993, 0.4696

Triad

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



29.9832, 0.4554, 0.4243



29.9832, 0.1970, 0.3326



29.9832, 0.2838, 0.2216

Complementary

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



29.9832, 0.4554, 0.4243



17.6046, 0.2022, 0.1975

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.



29.9832, 0.2193, 0.2072



29.9832, 0.4554, 0.4243



29.9832, 0.1747, 0.2591

Square

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



29.9832, 0.4554, 0.4243



29.9832, 0.2500, 0.4202



29.9832, 0.1826, 0.2181



29.9832, 0.3666, 0.2572

Rectangle

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



29.9832, 0.4554, 0.4243



29.9832, 0.3501, 0.4795



29.9832, 0.1826, 0.2181



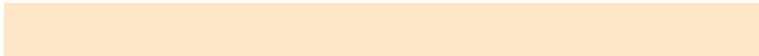
29.9832, 0.2595, 0.2143

Sweetspot

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



29.9847, 0.4554, 0.4243



81.5897, 0.3488, 0.3603



16.1279, 0.4366, 0.2586



17.4409, 0.3543, 0.3646



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.9847, 0.4554, 0.4243



47.9903, 0.4882, 0.4315



49.2585, 0.3969, 0.4866



11.0247, 0.3275, 0.3423



15.3722, 0.5164, 0.4281



0.7981, 0.4892, 0.4498

Inverse Universe

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



17.6046, 0.2022, 0.1975



24.2886, 0.1841, 0.1651



8.5256, 0.1871, 0.1146



10.4293, 0.2984, 0.3153



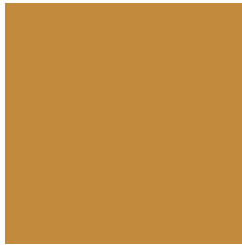
6.6511, 0.1707, 0.1344



0.4236, 0.1831, 0.1791

Previews

White Background



This preview shows how the Yxy color 29.9832, 0.4554, 0.4243 looks on a white background.

Color Contrast Check

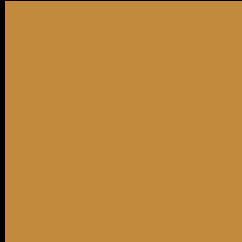
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9832, 0.4554, 0.4243 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 29.9832, 0.4554, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 29.9832, 0.4554, 0.4243.



This preview shows how white text looks on a background with the Yxy color 29.9832, 0.4554, 0.4243.

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

29.9832, 0.4554, 0.4243

Protanopia

29.9720, 0.4116, 0.4503

Deuteranopia

30.1113, 0.4434, 0.4344



Tritanopia

29.9715, 0.3831, 0.3173

Trichromacy



Original Color

29.9832, 0.4554, 0.4243

Protanomaly

29.8398, 0.4273, 0.4407

Deuteranomaly

30.1948, 0.4477, 0.4315

Tritanomaly

29.7931, 0.4128, 0.3587

Monochromacy



Original Color

29.9832, 0.4554, 0.4243

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.6693, 0.3641, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9832, 0.4554, 0.4243 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(194, 138, 61)` looks like.

```
.text, #text, p{  
    color:rgb(194, 138, 61)  
}
```

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(194, 138, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 138, 61) }
```

Border

The CSS property to change the border of an element to Yxy 29.9832, 0.4554, 0.4243 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(194, 138, 61) }
```

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

```
.border{ border-color:rgb(194, 138, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 138, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 138, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 138, 61);  
box-shadow:4px 4px 4px 4px rgb(194, 138,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9832, 0.4554, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 138, 61) }
```

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

```
.background{ background-color: rgb(194,  
138, 61) }
```

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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