

Converting Colors

$Yxy(35.6983, 0.4857, 0.4418)$

Have a look what the booklet for
Yxy(35.6983, 0.4857, 0.4418)
contains.

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Color

Yxy(35.6983, 0.4857, 0.4418)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D9931B |
| RGB | 217, 147, 27 |
| RGB Percent | 85%, 58%, 11% |
| CMY | 0.1490, 0.4235, 0.8941 |
| CMYK | 0.00, 0.32, 0.88, 0.15 |
| HSL | 38°, 78%, 48% |
| HSV | 38°, 88%, 85% |
| XYZ | 39.2455, 35.6983, 5.8581 |
| YIQ | 154.2500, 80.2400, -22.4800 |

Conversions

Conversions Part 2

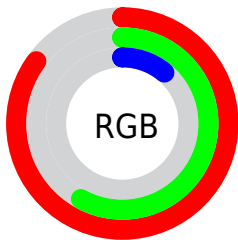
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 138, 217, 27 |
| Decimal | 14258971 |
| CIE Lab | 66.29, 17.63, 66.37 |
| CIE LCh | 66, 68.676, 75.124 |
| Yxy | 35.6983, 0.4857, 0.4418 |
| Android (android.graphics.Color) | 4292449051 (0xFFD9931B) |
| YUV | 154.2500, -62.7342, 55.0318 |
| Hunter-Lab | 59.7481, 12.6886, 36.0104 |

Details

The Yxy color **35.6983, 0.4857, 0.4418** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **13.7877, 0.1752, 0.1401**, and the grayscale version is **32.6861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7052, 0.4393, 0.4386**, and **15.6173, 0.5042, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **33.2323, 0.5005, 0.4391**, and if you desaturate by 10%, it is **38.4132, 0.4676, 0.4394**.

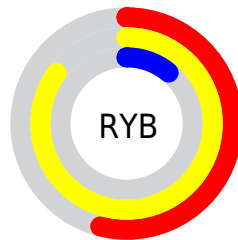
Distribution



Red (85%)

Green (58%)

Blue (11%)



Red (54%)

Yellow (85%)

Blue (11%)

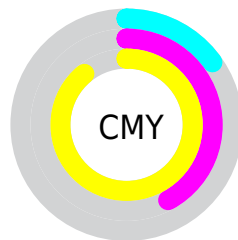


Cyan (0%)

Magenta (32%)

Yellow (88%)

Black (15%)



Cyan (15%)


Magenta (42%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6983, 0.4857, 0.4418 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 35.6983, 0.4857, 0.4418 by changing the saturation by 10% instead.


 35.6983, 0.4857,
0.4418


 35.6983, 0.4857,
0.4418


327.6399, 0.4031,
0.3953


 24.2013, 0.5022,
0.4480


 68.5661, 0.4582,
0.4286


 15.4830, 0.5203,
0.4523


 90.7058, 0.4470,
0.4224


 9.1591, 0.5437,
0.4563


 117.1617, 0.4372,
0.4168


 4.8451, 0.5563,
0.4437

 148.3183, 0.4287,
0.4116

 2.1567, 0.5762,
0.4238

 184.5601, 0.4211,
0.4069

 0.6962, 0.6162,
0.3838

 226.2713, 0.4144,

 0.0000, 1.0000,

0.4027

0.0000

273.8365, 0.4085,
0.3988

■ 0.0000, 0.0000,
0.0000

■ 35.6983, 0.4857,
0.4418

■ 35.6983, 0.4857,
0.4418

■ 33.2323, 0.5005,
0.4391

■ 38.4132, 0.4676,
0.4394

■ 32.6610, 0.5039,
0.4381

■ 41.3904, 0.4470,
0.4320

■ 44.6461, 0.4250,
0.4206

■ 48.1931, 0.4027,
0.4064

■ 52.0430, 0.3810,
0.3904

■ 56.2063, 0.3605,
0.3737

■ 60.6931, 0.3416,
0.3570

■ 65.5126, 0.3245,
0.3407

■ 70.6738, 0.3091,
0.3253

Harmonies

Analogous

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



35.6983, 0.5161, 0.3698



35.6983, 0.4857, 0.4418



35.6983, 0.4113, 0.5055

Triad

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



35.6983, 0.4857, 0.4418



35.6983, 0.1666, 0.3261



35.6983, 0.2781, 0.1989

Complementary

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



35.6983, 0.4857, 0.4418



13.7877, 0.1752, 0.1401

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.



35.6983, 0.1988, 0.1805



35.6983, 0.4857, 0.4418



35.6983, 0.1440, 0.2353

Square

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



35.6983, 0.4857, 0.4418



35.6983, 0.2277, 0.4461



35.6983, 0.1551, 0.1901



35.6983, 0.3843, 0.2417

Rectangle

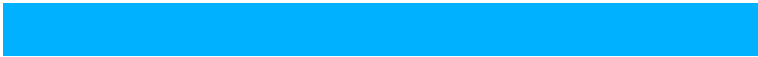
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.6983, 0.4857, 0.4418



35.6983, 0.3497, 0.5244



35.6983, 0.1551, 0.1901



35.6983, 0.2478, 0.1899

Sweetspot

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



35.7001, 0.4857, 0.4418



81.8376, 0.3579, 0.3715



16.4511, 0.5107, 0.2684



17.0519, 0.3648, 0.3774



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.



35.7001, 0.4857, 0.4418



46.7754, 0.5049, 0.4373



61.2807, 0.3985, 0.5145



14.4155, 0.3276, 0.3437



19.9806, 0.5024, 0.4393



1.4569, 0.4853, 0.4528

Inverse Universe

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



13.7877, 0.1752, 0.1401



15.2124, 0.1650, 0.1138



6.4499, 0.1635, 0.0743



13.3988, 0.2981, 0.3138



6.6848, 0.1661, 0.1181



0.5945, 0.1753, 0.1510

Previews

White Background



This preview shows how the Yxy color 35.6983, 0.4857, 0.4418 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 35.6983, 0.4857, 0.4418 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 35.6983, 0.4857, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 35.6983, 0.4857, 0.4418.



This preview shows how white text looks on a background with the Yxy color 35.6983, 0.4857, 0.4418.

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

35.6983, 0.4857, 0.4418

Protanopia

35.8847, 0.4336, 0.4794

Deuteranopia

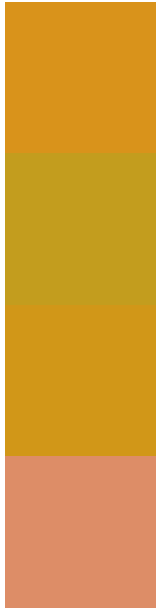
35.6778, 0.4681, 0.4583



Tritanopia

35.6859, 0.3969, 0.3173

Trichromacy



Original Color

35.6983, 0.4857, 0.4418

Protanomaly

35.8098, 0.4524, 0.4656

Deuteranomaly

35.7545, 0.4746, 0.4522

Tritanomaly

35.4012, 0.4415, 0.3740

Monochromacy



Original Color

35.6983, 0.4857, 0.4418

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.5630, 0.3832, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6983, 0.4857, 0.4418 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(217, 147, 27)` looks like.

```
.text, #text, p{  
    color:rgb(217, 147, 27)  
}
```

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(217, 147, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 147, 27) }
```

Border

The CSS property to change the border of an element to Yxy 35.6983, 0.4857, 0.4418 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(217, 147, 27) }
```

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

```
.border{ border-color:rgb(217, 147, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 147, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 147, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 147, 27);  
box-shadow:4px 4px 4px 4px rgb(217, 147,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6983, 0.4857, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 147, 27) }
```

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

```
.background{ background-color: rgb(217,  
147, 27) }
```

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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