

Converting Colors

$Y_{xy}(34.8133, 0.4942, 0.4458)$

Have a look what the booklet for
Yxy(34.8133, 0.4942, 0.4458)
contains.

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Color

Yxy(35.0025, 0.4938, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	D99100
RGB	217, 145, 0
RGB Percent	85%, 57%, 0%
CMY	0.1489, 0.4314, 0.9997
CMYK	0.00, 0.33, 1.00, 0.15
HSL	40°, 100%, 43%
HSV	40°, 100%, 85%
XYZ	38.7452, 35.0025, 4.7156
YIQ	149.9980, 89.4570, -29.8310

Conversions

Conversions Part 2

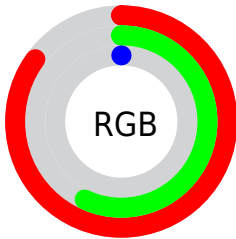
Format	Color
RYB	108, 217, 0
Decimal	14258432
CIELab	65.75, 18.36, 70.71
CIELCh	66, 73.059, 75.444
Yxy	35.0025, 0.4938, 0.4461
Android (android.graphics.Color)	4292448512 (0xFFD99100)
YUV	149.9980, -73.9490, 58.7608
Hunter-Lab	59.1629, 13.3628, 36.6883

Details

The Yxy color **35.0025, 0.4938, 0.4461** 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 **9.6575, 0.1628, 0.1058**, and the grayscale version is **30.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6013, 0.4469, 0.4448**, and **15.2523, 0.5078, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **34.9973, 0.4938, 0.4461**, and if you desaturate by 10%, it is **37.3332, 0.4811, 0.4487**.

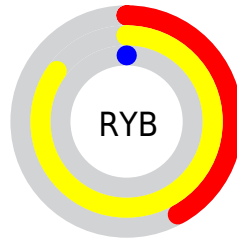
Distribution



Red (85%)

Green (57%)

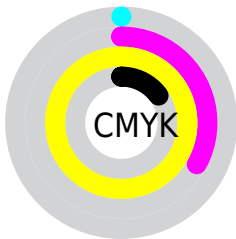
Blue (0%)



Red (42%)

Yellow (85%)

Blue (0%)

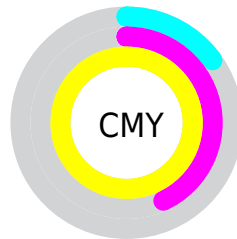


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0025, 0.4938, 0.4461 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 35.0025, 0.4938, 0.4461 by changing the saturation by 10% instead.


 35.0025, 0.4938,
0.4461


 35.0025, 0.4938,
0.4461


324.5794, 0.4087,
0.3995

 23.6648, 0.5100,
0.4513


 67.4896, 0.4660,
0.4336


 15.0852, 0.5280,
0.4548


 89.4079, 0.4545,
0.4274


 8.8792, 0.5465,
0.4535


 115.6217, 0.4444,
0.4217

 4.6625, 0.5599,
0.4401

 146.5156, 0.4355,
0.4164

 2.0506, 0.5810,
0.4190

 182.4739, 0.4276,
0.4116


 0.6366, 0.6273,
0.3727


 223.8811, 0.4205,


 0.0000, 1.0000,


0.4072

0.0000


 271.1214, 0.4143,
0.4032


 0.0000, 0.0000,
0.0000


 35.0025, 0.4938,
0.4461


 35.0025, 0.4938,
0.4461


 34.9973, 0.4938,
0.4461

 37.3332, 0.4811,
0.4487

 39.8683, 0.4654,
0.4468

 42.6328, 0.4470,
0.4398

 45.6409, 0.4267,
0.4286

 48.9049, 0.4056,
0.4143

■ 52.4355, 0.3847,
0.3978

■ 56.2430, 0.3645,
0.3804

■ 60.3364, 0.3457,
0.3627

■ 64.7246, 0.3284,
0.3455

Harmonies

Analogous

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



35.0025, 0.5288, 0.3701



35.0025, 0.4938, 0.4461



35.0025, 0.4136, 0.5160

Triad

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



35.0025, 0.4938, 0.4461



35.0025, 0.1575, 0.3234



35.0025, 0.2765, 0.1924

Complementary

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



35.0025, 0.4938, 0.4461



9.6575, 0.1628, 0.1058

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.



35.0025, 0.1929, 0.1727



35.0025, 0.4938, 0.4461



35.0025, 0.1351, 0.2278

Square

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



35.0025, 0.4938, 0.4461



35.0025, 0.2205, 0.4542



35.0025, 0.1473, 0.1819



35.0025, 0.3901, 0.2371

Rectangle

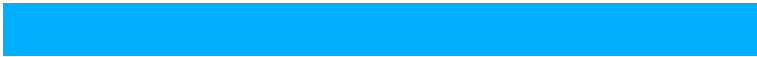
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.0025, 0.4938, 0.4461



35.0025, 0.3485, 0.5385



35.0025, 0.1473, 0.1819



35.0025, 0.2443, 0.1829

Sweetspot

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



35.0043, 0.4938, 0.4461



80.8679, 0.3651, 0.3809



15.2289, 0.5666, 0.2895



16.8000, 0.3736, 0.3884



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.



35.0043, 0.4938, 0.4461



50.1394, 0.4947, 0.4454



59.4423, 0.3899, 0.5286



14.4975, 0.3275, 0.3446



21.3828, 0.4925, 0.4472



1.5409, 0.4776, 0.4590

Inverse Universe

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



9.6575, 0.1628, 0.1058



13.6626, 0.1623, 0.1042



5.3913, 0.1567, 0.0637



13.3199, 0.2981, 0.3129



6.0150, 0.1634, 0.1084



0.5449, 0.1726, 0.1413

Previews

White Background



This preview shows how the Yxy color 35.0025, 0.4938, 0.4461 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 35.0025, 0.4938, 0.4461 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 35.0025, 0.4938, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 35.0025, 0.4938, 0.4461.



This preview shows how white text looks on a background with the Yxy color 35.0025, 0.4938, 0.4461.

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

35.0025, 0.4938, 0.4461

Protanopia

35.3480, 0.4378, 0.4854

Deuteranopia

35.1530, 0.4724, 0.4631



Tritanopia

35.0603, 0.4001, 0.3173

Trichromacy



Original Color

35.0025, 0.4938, 0.4461

Protanomaly

34.9339, 0.4586, 0.4708

Deuteranomaly

34.9048, 0.4807, 0.4565

Tritanomaly

34.6101, 0.4542, 0.3835

Monochromacy



Original Color

35.0025, 0.4938, 0.4461

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0047, 0.3944, 0.4061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0025, 0.4938, 0.4461 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, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 145, 0)  
}
```

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, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.0025, 0.4938, 0.4461 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, 145, 0) }
```

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

```
.border{ border-color:rgb(217, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 145,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0025, 0.4938, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 145, 0) }
```

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

```
.background{ background-color: rgb(217,  
145, 0) }
```

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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