

Converting Colors

$Y_{xy}(34.9848, 0.4727, 0.4418)$

Have a look what the booklet for
Yxy(34.9848, 0.4727, 0.4418)
contains.

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Color

Yxy(35.0346, 0.4731, 0.4414)

Conversions

Conversions Part 1

Format	Color
Hex	D29428
RGB	210, 148, 40
RGB Percent	82%, 58%, 16%
CMY	0.1765, 0.4196, 0.8433
CMYK	0.00, 0.30, 0.81, 0.18
HSL	38°, 68%, 49%
HSV	38°, 81%, 82%
XYZ	37.5507, 35.0346, 6.7863
YIQ	154.2260, 71.6200, -20.4440

Conversions

Conversions Part 2

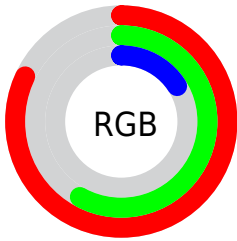
Format	Color
R _Y B	138, 210, 40
Decimal	13800488
CIE Lab	65.78, 14.40, 61.70
CIE LCh	66, 63.355, 76.859
Yxy	35.0346, 0.4731, 0.4414
Android (android.graphics.Color)	4291990568 (0xFFD29428)
YUV	154.2260, -56.3134, 48.9138
Hunter-Lab	59.1900, 9.6594, 34.6353

Details

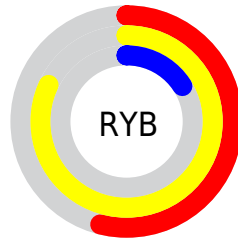
The Yxy color **35.0346, 0.4731, 0.4414** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **14.5958, 0.1821, 0.1541**, and the grayscale version is **32.6471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3273, 0.4336, 0.4329**, and **15.2194, 0.4953, 0.4449** is the 20% darker color. If you saturate the color by 10%, you get **32.6073, 0.4899, 0.4422**, and if you desaturate by 10%, it is **37.7019, 0.4534, 0.4355**.

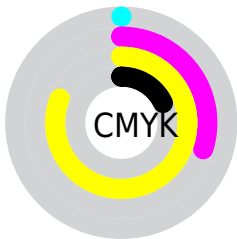
Distribution



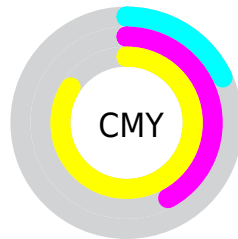
- Red (82%)
- Green (58%)
- Blue (16%)



- Red (54%)
- Yellow (82%)
- Blue (16%)



- Cyan (0%)
- Magenta (30%)
- Yellow (81%)
- Black (18%)





- Cyan (18%)
- Magenta (42%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0346, 0.4731, 0.4414 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 35.0346, 0.4731, 0.4414 by changing the saturation by 10% instead.


 35.0346, 0.4731,
0.4414


 35.0346, 0.4731,
0.4414


324.7210, 0.3953,
0.3926

 23.6895, 0.4893,
0.4491


 67.5394, 0.4468,
0.4266


 15.1035, 0.5073,
0.4557


 89.4678, 0.4362,
0.4201

 8.8920, 0.5342,
0.4658


 115.6929, 0.4270,
0.4142

 4.6708, 0.5449,
0.4551

 146.5990, 0.4190,
0.4089

 2.0555, 0.5620,
0.4380

 182.5704, 0.4120,
0.4042

 0.6394, 0.6014,
0.3986

 223.9917, 0.4058,

 0.0000, 0.0000,

0.3999

0.0000

271.2471, 0.4002,
0.3961

■ 35.0346, 0.4731,
0.4414

■ 35.0346, 0.4731,
0.4414

■ 32.6073, 0.4899,
0.4422

■ 37.7019, 0.4534,
0.4355

■ 30.5975, 0.5026,
0.4391

■ 40.6177, 0.4319,
0.4253

■ 43.7961, 0.4098,
0.4118

■ 47.2479, 0.3879,
0.3962

■ 50.9831, 0.3671,
0.3796

■ 55.0110, 0.3478,
0.3628

■ 59.3403, 0.3301,
0.3463

■ 63.9792, 0.3142,
0.3305

■ 68.9356, 0.2999,
0.3157

Harmonies

Analogous

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



35.0346, 0.5028, 0.3736



35.0346, 0.4731, 0.4414



35.0346, 0.4025, 0.4973

Triad

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



35.0346, 0.4731, 0.4414



35.0346, 0.1734, 0.3213



35.0346, 0.2861, 0.2080

Complementary

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



35.0346, 0.4731, 0.4414



14.5958, 0.1821, 0.1541

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.



35.0346, 0.2092, 0.1890



35.0346, 0.4731, 0.4414



35.0346, 0.1530, 0.2386

Square

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



35.0346, 0.4731, 0.4414



35.0346, 0.2298, 0.4307



35.0346, 0.1653, 0.1971



35.0346, 0.3855, 0.2500

Rectangle

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



35.0346, 0.4731, 0.4414



35.0346, 0.3442, 0.5099



35.0346, 0.1653, 0.1971



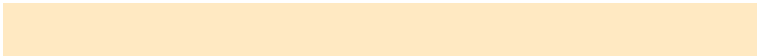
35.0346, 0.2570, 0.1989

Sweetspot

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



35.0364, 0.4731, 0.4414



83.2476, 0.3540, 0.3683



16.1815, 0.4947, 0.2691



17.3368, 0.3609, 0.3744



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.



35.0364, 0.4731, 0.4414



48.1235, 0.4998, 0.4397



56.8521, 0.3946, 0.5098



13.0426, 0.3275, 0.3437



18.8613, 0.5011, 0.4403



1.2028, 0.4823, 0.4553

Inverse Universe

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



14.5958, 0.1821, 0.1541



15.9722, 0.1667, 0.1183



7.2122, 0.1732, 0.0866



12.1133, 0.2982, 0.3138



6.2141, 0.1660, 0.1174



0.4968, 0.1764, 0.1549

Previews

White Background



This preview shows how the Yxy color 35.0346, 0.4731, 0.4414 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 35.0346, 0.4731, 0.4414 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 35.0346, 0.4731, 0.4414

Background



This preview shows how black text looks on a background with the Yxy color 35.0346, 0.4731, 0.4414.



This preview shows how white text looks on a background with the Yxy color 35.0346, 0.4731, 0.4414.

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

35.0346, 0.4731, 0.4414

Protanopia

35.3675, 0.4279, 0.4729

Deuteranopia

35.0139, 0.4608, 0.4524



Tritanopia

34.9140, 0.3881, 0.3169

Trichromacy



Original Color

35.0346, 0.4731, 0.4414

Protanomaly

35.0205, 0.4447, 0.4609

Deuteranomaly

35.1171, 0.4644, 0.4489

Tritanomaly

34.7463, 0.4274, 0.3698

Monochromacy



Original Color

35.0346, 0.4731, 0.4414

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.6474, 0.3744, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0346, 0.4731, 0.4414 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(210, 148, 40)` looks like.

```
.text, #text, p{  
    color:rgb(210, 148, 40)  
}
```

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(210, 148, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 148, 40) }
```

Border

The CSS property to change the border of an element to Yxy 35.0346, 0.4731, 0.4414 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(210, 148, 40) }
```

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

```
.border{ border-color:rgb(210, 148, 40) }
```

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

Here you see how a box with a 4 pixel rgb(210, 148, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 148, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 148, 40);  
box-shadow:4px 4px 4px 4px rgb(210, 148,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0346, 0.4731, 0.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 148, 40) }
```

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

```
.background{ background-color: rgb(210,  
148, 40) }
```

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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