

Converting Colors

$Y_{xy}(48.2345, 0.4701, 0.4434)$

Have a look what the booklet for
Yxy(48.2345, 0.4701, 0.4434)
contains.

Yxy(48.2437, 0.4705, 0.4431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.2437, 0.4705, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	F0AC30
RGB	240, 172, 48
RGB Percent	94%, 67%, 19%
CMY	0.0587, 0.3255, 0.8118
CMYK	0.00, 0.28, 0.80, 0.06
HSL	39°, 87%, 56%
HSV	39°, 80%, 94%
XYZ	51.2269, 48.2437, 9.4070
YIQ	178.1960, 80.3320, -24.1480

Conversions

Conversions Part 2

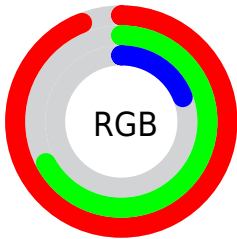
Format	Color
R _Y B	153, 240, 48
Decimal	15772720
CIE Lab	74.98, 14.75, 68.44
CIE LCh	75, 70.016, 77.835
Yxy	48.2437, 0.4705, 0.4431
Android (android.graphics.Color)	4293962800 (0xFFFF0AC30)
YUV	178.1960, -64.1866, 54.2021
Hunter-Lab	69.4577, 10.0977, 40.5904

Details

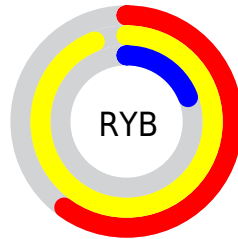
The Yxy color **48.2437, 0.4705, 0.4431** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **19.4161, 0.1818, 0.1522**, and the grayscale version is **44.9462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1976, 0.4124, 0.4471**, and **23.0166, 0.4920, 0.4475** is the 20% darker color. If you saturate the color by 10%, you get **44.9650, 0.4871, 0.4443**, and if you desaturate by 10%, it is **51.8414, 0.4510, 0.4368**.

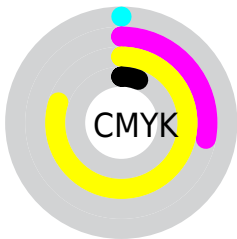
Distribution



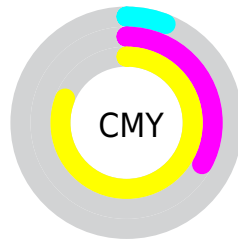
- Red (94%)
- Green (67%)
- Blue (19%)



- Red (60%)
- Yellow (94%)
- Blue (19%)



- Cyan (0%)
- Magenta (28%)
- Yellow (80%)
- Black (6%)




- Cyan (6%)
- Magenta (33%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2437, 0.4705, 0.4431 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 48.2437, 0.4705, 0.4431 by changing the saturation by 10% instead.


 48.2437, 0.4705,
0.4431

 48.2437, 0.4705,
0.4431


379.7573, 0.3984,
0.3963


 34.0199, 0.4847,
0.4504


 87.5671, 0.4469,
0.4292

 22.9089, 0.5003,
0.4571

 113.4356, 0.4372,
0.4231


 14.5263, 0.5175,
0.4622


 143.9544, 0.4287,
0.4174

 8.4876, 0.5360,
0.4640

 179.5079, 0.4212,
0.4124

 4.4085, 0.5473,
0.4527

 220.4806, 0.4145,
0.4077

 1.9046, 0.5655,
0.4345

 267.2567, 0.4086,

 0.5511, 0.6162,

0.4035

0.3838

320.2209, 0.4032,
0.3997

■ 0.0000, 0.0000,
0.0000

■ 48.2437, 0.4705,
0.4431

■ 48.2437, 0.4705,
0.4431

■ 44.9650, 0.4871,
0.4443

■ 51.8414, 0.4510,
0.4368


■ 41.9701, 0.5005,
0.4408


■ 55.7696, 0.4298,
0.4261


■ 60.0473, 0.4078,
0.4122


■ 64.6891, 0.3861,
0.3962

■ 69.7083, 0.3654,
0.3791

 75.1176, 0.3462,
0.3619

 80.9286, 0.3286,
0.3451

 87.1523, 0.3127,
0.3290

 93.2052, 0.3036,
0.3226

Harmonies

Analogous

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



48.2437, 0.5016, 0.3758



48.2437, 0.4705, 0.4431



48.2437, 0.3995, 0.4975

Triad

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



48.2437, 0.4705, 0.4431



48.2437, 0.1729, 0.3182



48.2437, 0.2893, 0.2096

Complementary

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



48.2437, 0.4705, 0.4431



19.4161, 0.1818, 0.1522

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.



48.2437, 0.2118, 0.1899



48.2437, 0.4705, 0.4431



48.2437, 0.1538, 0.2373

Square

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



48.2437, 0.4705, 0.4431



48.2437, 0.2281, 0.4266



48.2437, 0.1670, 0.1971



48.2437, 0.3883, 0.2521

Rectangle

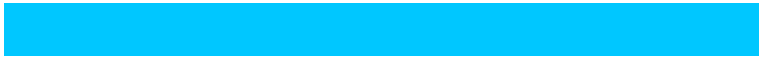
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2437, 0.4705, 0.4431



48.2437, 0.3413, 0.5085



48.2437, 0.1670, 0.1971



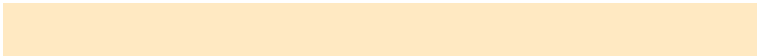
48.2437, 0.2600, 0.2003

Sweetspot

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



48.2461, 0.4705, 0.4431



83.6052, 0.3538, 0.3689



21.9602, 0.4936, 0.2690



17.4231, 0.3608, 0.3751



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.



48.2461, 0.4705, 0.4431



49.3909, 0.4957, 0.4424



76.9062, 0.3945, 0.5094



17.4619, 0.3277, 0.3442



23.2301, 0.4989, 0.4421



2.1191, 0.4857, 0.4526

Inverse Universe

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



19.4161, 0.1818, 0.1522



15.8205, 0.1666, 0.1174



9.8458, 0.1737, 0.0873



16.1449, 0.2980, 0.3133



7.2292, 0.1649, 0.1135



0.7824, 0.1721, 0.1397

Previews

White Background



This preview shows how the Yxy color 48.2437, 0.4705, 0.4431 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 48.2437, 0.4705, 0.4431 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 48.2437, 0.4705, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 48.2437, 0.4705, 0.4431.



This preview shows how white text looks on a background with the Yxy color 48.2437, 0.4705, 0.4431.

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

48.2437, 0.4705, 0.4431

Protanopia

48.2023, 0.4282, 0.4725

Deuteranopia

48.0130, 0.4616, 0.4513



Tritanopia

48.2810, 0.3841, 0.3162

Trichromacy



Original Color

48.2437, 0.4705, 0.4431

Protanomaly

47.9329, 0.4439, 0.4614

Deuteranomaly

48.1395, 0.4647, 0.4482

Tritanomaly

47.7019, 0.4234, 0.3695

Monochromacy



Original Color

48.2437, 0.4705, 0.4431

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1069, 0.3746, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2437, 0.4705, 0.4431 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(240, 172, 48)` looks like.

```
.text, #text, p{  
    color:rgb(240, 172, 48)  
}
```

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(240, 172, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 172, 48) }
```

Border

The CSS property to change the border of an element to Yxy 48.2437, 0.4705, 0.4431 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(240, 172, 48) }
```

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

```
.border{ border-color:rgb(240, 172, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 172, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 172, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 172, 48);  
box-shadow:4px 4px 4px 4px rgb(240, 172,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2437, 0.4705, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 172, 48) }
```

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

```
.background{ background-color: rgb(240,  
172, 48) }
```

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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