

Converting Colors

Yxy(47.9897, 0.4810, 0.4563)

Have a look what the booklet for
Yxy(47.9897, 0.4810, 0.4563)
contains.

Yxy(48.0303, 0.4813, 0.4561)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.0303, 0.4813, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	F0AC00
RGB	240, 172, 0
RGB Percent	94%, 67%, 0%
CMY	0.0589, 0.3254, 1.0000
CMYK	0.00, 0.28, 1.00, 0.06
HSL	43°, 100%, 47%
HSV	43°, 100%, 94%
XYZ	50.6840, 48.0303, 6.5922
YIQ	172.7240, 95.7400, -39.0760

Conversions

Conversions Part 2

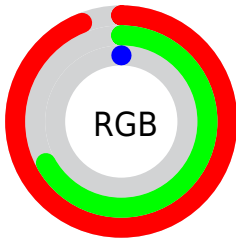
Format	Color
R _Y B	95, 240, 0
Decimal	15772672
CIE Lab	74.84, 13.89, 78.09
CIE LCh	75, 79.320, 79.914
Yxy	48.0303, 0.4813, 0.4561
Android (android.graphics.Color)	4293962752 (0xFFFF0AC00)
YUV	172.7240, -85.1529, 59.0011
Hunter-Lab	69.3039, 9.2606, 42.8731

Details

The Yxy color **48.0303, 0.4813, 0.4561** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle saturated orange. A complement of this color would be **10.4220, 0.1593, 0.0933**, and the grayscale version is **42.0486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7774, 0.4235, 0.4635**, and **22.8979, 0.4910, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **48.0332, 0.4813, 0.4561**, and if you desaturate by 10%, it is **50.7535, 0.4707, 0.4579**.

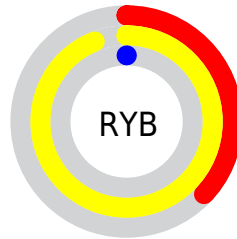
Distribution



Red (94%)

Green (67%)

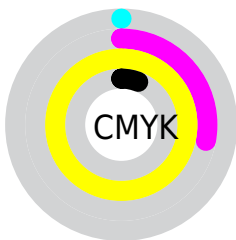
Blue (0%)



Red (37%)

Yellow (94%)

Blue (0%)

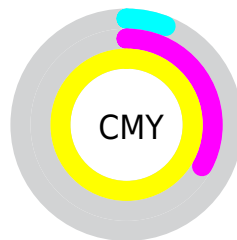


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0303, 0.4813, 0.4561 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 48.0303, 0.4813, 0.4561 by changing the saturation by 10% instead.


 48.0303, 0.4813,
0.4561


 48.0303, 0.4813,
0.4561


378.9122, 0.4073,
0.4064


 33.8509, 0.4945,
0.4627


 87.2495, 0.4581,
0.4423


 22.7791, 0.5082,
0.4679


 113.0581, 0.4482,
0.4358


 14.4305, 0.5260,
0.4740


 143.5119, 0.4394,
0.4298

 8.4207, 0.5333,
0.4667

 178.9952, 0.4315,
0.4242

 4.3653, 0.5441,
0.4559

 219.8925, 0.4245,
0.4192

 1.8799, 0.5615,
0.4385

 266.5882, 0.4181,

 0.5363, 0.6128,

0.4145

0.3872

319.4666, 0.4124,
0.4103

■ 0.0000, 0.0000,
0.0000

■ 48.0303, 0.4813,
0.4561

■ 48.0303, 0.4813,
0.4561

■ 48.0332, 0.4813,
0.4561

■ 50.7535, 0.4707,
0.4579

■ 53.6896, 0.4573,
0.4552

■ 56.8688, 0.4410,
0.4476

■ 60.3082, 0.4226,
0.4356

■ 64.0223, 0.4031,
0.4204

■ 68.0239, 0.3833,
0.4029

■ 72.3248, 0.3639,
0.3843

■ 76.9358, 0.3455,
0.3654

■ 81.8669, 0.3284,
0.3468

Harmonies

Analogous

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



48.0303, 0.5234, 0.3812



48.0303, 0.4813, 0.4561



48.0303, 0.3987, 0.5199

Triad

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



48.0303, 0.4813, 0.4561



48.0303, 0.1547, 0.3068



48.0303, 0.2927, 0.1999

Complementary

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



48.0303, 0.4813, 0.4561



10.4220, 0.1593, 0.0933

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.



48.0303, 0.2050, 0.1766



48.0303, 0.4813, 0.4561



48.0303, 0.1379, 0.2206

Square

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



48.0303, 0.4813, 0.4561



48.0303, 0.2110, 0.4326



48.0303, 0.1546, 0.1812



48.0303, 0.4055, 0.2472

Rectangle

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



48.0303, 0.4813, 0.4561



48.0303, 0.3338, 0.5333



48.0303, 0.1546, 0.1812



48.0303, 0.2594, 0.1892

Sweetspot

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



48.0332, 0.4813, 0.4561



82.9602, 0.3641, 0.3845



18.9406, 0.5861, 0.3002



17.3011, 0.3722, 0.3924



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.



48.0332, 0.4813, 0.4561



55.0330, 0.4815, 0.4559



73.0039, 0.3809, 0.5358



17.6582, 0.3275, 0.3458



26.5341, 0.4800, 0.4571



2.3754, 0.4702, 0.4649

Inverse Universe

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



10.4220, 0.1593, 0.0933



11.8843, 0.1591, 0.0928



7.0206, 0.1601, 0.0656



15.9578, 0.2980, 0.3116



5.9003, 0.1600, 0.0960



0.6538, 0.1671, 0.1214

Previews

White Background



This preview shows how the Yxy color 48.0303, 0.4813, 0.4561 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 48.0303, 0.4813, 0.4561 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 48.0303, 0.4813, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 48.0303, 0.4813, 0.4561.



This preview shows how white text looks on a background with the Yxy color 48.0303, 0.4813, 0.4561.

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

48.0303, 0.4813, 0.4561

Protanopia

48.1395, 0.4388, 0.4863

Deuteranopia

47.9836, 0.4723, 0.4632



Tritanopia

48.0766, 0.3863, 0.3163

Trichromacy



Original Color

48.0303, 0.4813, 0.4561

Protanomaly

47.8779, 0.4550, 0.4748

Deuteranomaly

48.1050, 0.4759, 0.4603

Tritanomaly

47.0675, 0.4420, 0.3874

Monochromacy



Original Color

48.0303, 0.4813, 0.4561

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.8832, 0.3901, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0303, 0.4813, 0.4561 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 172, 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(240, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 172, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.0303, 0.4813, 0.4561 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, 0) }
```

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

```
.border{ border-color:rgb(240, 172, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 172,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0303, 0.4813, 0.4561 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, 0) }
```

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

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