

Converting Colors

$Yxy(48.7239, 0.4988, 0.4421)$

Have a look what the booklet for
Yxy(48.7239, 0.4988, 0.4421)
contains.

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Color

Yxy(48.8974, 0.4983, 0.4425)

Conversions

Conversions Part 1

Format	Color
Hex	FFA700
RGB	255, 167, 0
RGB Percent	100%, 65%, 0%
CMY	0.0000, 0.3451, 0.9991
CMYK	0.00, 0.35, 1.00, 0.00
HSL	39°, 100%, 50%
HSV	39°, 100%, 100%
XYZ	55.0634, 48.8974, 6.5418
YIQ	174.2740, 106.0550, -33.2810

Conversions

Conversions Part 2

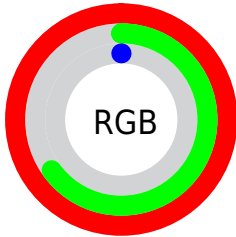
Format	Color
R _Y B	134, 255, 0
Decimal	16754432
CIE Lab	75.39, 22.91, 79.23
CIE LCh	75, 82.477, 73.876
Yxy	48.8974, 0.4983, 0.4425
Android (android.graphics.Color)	4294944512 (0xFFFFA700)
YUV	174.2740, -85.9171, 70.7967
Hunter-Lab	69.9267, 18.1873, 43.4020

Details

The Yxy color **48.8974, 0.4983, 0.4425** is a dark color, and the websafe version is hex **FF9900**, and the color name is **chrome yellow**. The color can be described as middle saturated orange. A complement of this color would be **14.2368, 0.1633, 0.1078**, and the grayscale version is **42.8980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0817, 0.4270, 0.4597**, and **23.4679, 0.5123, 0.4314** is the 20% darker color. If you saturate the color by 10%, you get **48.8694, 0.4984, 0.4425**, and if you desaturate by 10%, it is **52.3081, 0.4853, 0.4460**.

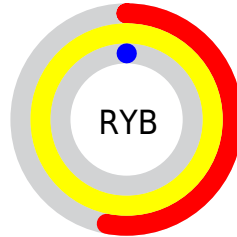
Distribution



Red (100%)

Green (65%)

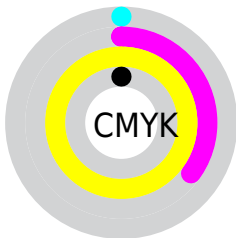
Blue (0%)



Red (53%)

Yellow (100%)

Blue (0%)

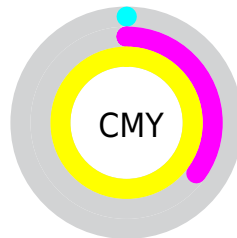


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8974, 0.4983, 0.4425 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 48.8974, 0.4983, 0.4425 by changing the saturation by 10% instead.


 48.8974, 0.4983,
0.4425


 48.8974, 0.4983,
0.4425


382.3383, 0.4163,
0.4017

 34.5381, 0.5132,
0.4466


 88.5391, 0.4724,
0.4322


 23.3073, 0.5291,
0.4488


 114.5902, 0.4615,
0.4270

 14.8206, 0.5494,
0.4506


 145.3074, 0.4517,
0.4220

 8.6936, 0.5608,
0.4392

 181.0751, 0.4430,
0.4173

 4.5418, 0.5773,
0.4227

 222.2776, 0.4352,
0.4129

 1.9810, 0.6031,
0.3969

 269.2994, 0.4283,

 0.5964, 0.6603,

0.4088

0.3397

322.5248, 0.4220,
0.4051

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8974, 0.4983,
0.4425

■ 48.8974, 0.4983,
0.4425

■ 48.8694, 0.4984,
0.4425

■ 52.3081, 0.4853,
0.4460

■ 56.0375, 0.4691,
0.4447

■ 60.1184, 0.4500,
0.4383

■ 64.5723, 0.4291,
0.4274

69.4179, 0.4074,
0.4133

74.6719, 0.3859,
0.3971

80.3496, 0.3653,
0.3798

86.4650, 0.3460,
0.3623

93.0317, 0.3285,
0.3452

Harmonies

Analogous

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



48.8974, 0.5306, 0.3662



48.8974, 0.4983, 0.4425



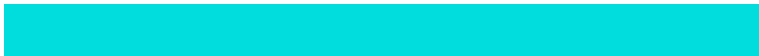
48.8974, 0.4189, 0.5144

Triad

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



48.8974, 0.4983, 0.4425



48.8974, 0.1585, 0.3297



48.8974, 0.2707, 0.1897

Complementary

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



48.8974, 0.4983, 0.4425



14.2368, 0.1633, 0.1078

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.



48.8974, 0.1886, 0.1713



48.8974, 0.4983, 0.4425



48.8974, 0.1341, 0.2305

Square

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



48.8974, 0.4983, 0.4425



48.8974, 0.2239, 0.4621



48.8974, 0.1446, 0.1822



48.8974, 0.3846, 0.2335

Rectangle

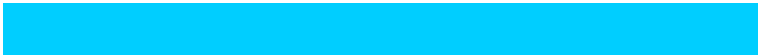
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8974, 0.4983, 0.4425



48.8974, 0.3537, 0.5400



48.8974, 0.1446, 0.1822



48.8974, 0.2390, 0.1806

Sweetspot

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



48.8974, 0.4983, 0.4425



80.2993, 0.3654, 0.3800



21.9926, 0.5624, 0.2872



16.6641, 0.3740, 0.3873



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.



48.8974, 0.4983, 0.4425



48.8694, 0.4984, 0.4425



86.2389, 0.3926, 0.5264



19.9724, 0.3278, 0.3445



25.8249, 0.4967, 0.4438



2.7185, 0.4856, 0.4526

Inverse Universe

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



14.2368, 0.1633, 0.1078



14.2120, 0.1633, 0.1077



7.6451, 0.1552, 0.0629



18.4036, 0.2979, 0.3130



7.6757, 0.1641, 0.1106



0.9419, 0.1703, 0.1331

Previews

White Background



This preview shows how the Yxy color 48.8974, 0.4983, 0.4425 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 48.8974, 0.4983, 0.4425 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 48.8974, 0.4983, 0.4425

Background



This preview shows how black text looks on a background with the Yxy color 48.8974, 0.4983, 0.4425.



This preview shows how white text looks on a background with the Yxy color 48.8974, 0.4983, 0.4425.

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

48.8974, 0.4983, 0.4425

Protanopia

49.2860, 0.4381, 0.4856

Deuteranopia

48.7128, 0.4729, 0.4627



Tritanopia

48.9208, 0.3961, 0.3187

Trichromacy



Original Color

48.8974, 0.4983, 0.4425

Protanomaly

48.8378, 0.4598, 0.4703

Deuteranomaly

48.7644, 0.4818, 0.4557

Tritanomaly

48.1834, 0.4530, 0.3838

Monochromacy



Original Color

48.8974, 0.4983, 0.4425

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.9700, 0.3963, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8974, 0.4983, 0.4425 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(255, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 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(255, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.8974, 0.4983, 0.4425 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(255, 167, 0) }
```

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

```
.border{ border-color:rgb(255, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8974, 0.4983, 0.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 0) }
```

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

```
.background{ background-color: rgb(255,  
167, 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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