

Converting Colors

$Yxy(44.7418, 0.4779, 0.4199)$

Have a look what the booklet for
Yxy(44.7418, 0.4779, 0.4199)
contains.

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Color

Yxy(44.7564, 0.4771, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	F4A041
RGB	244, 160, 65
RGB Percent	96%, 63%, 25%
CMY	0.0430, 0.3726, 0.7450
CMYK	0.00, 0.34, 0.73, 0.04
HSL	32°, 89%, 61%
HSV	32°, 73%, 96%
XYZ	50.8411, 44.7564, 10.9653
YIQ	174.2860, 80.5590, -11.7370

Conversions

Conversions Part 2

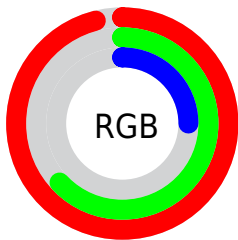
Format	Color
R _Y B	223, 244, 65
Decimal	16031809
CIE Lab	72.73, 23.42, 59.93
CIE LCh	73, 64.347, 68.660
Yxy	44.7564, 0.4771, 0.4200
Android (android.graphics.Color)	4294221889 (0xFFFF4A041)
YUV	174.2860, -53.8780, 61.1392
Hunter-Lab	66.9002, 18.5765, 37.1122

Details

The Yxy color **44.7564, 0.4771, 0.4200** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **29.1760, 0.1976, 0.1969**, and the grayscale version is **42.7370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1689, 0.4115, 0.4256**, and **20.7946, 0.5142, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **40.7434, 0.5014, 0.4222**, and if you desaturate by 10%, it is **49.2622, 0.4510, 0.4130**.

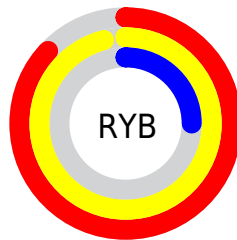
Distribution



Red (96%)

Green (63%)

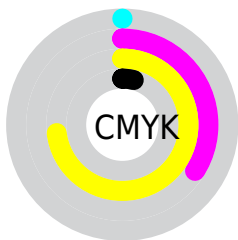
Blue (25%)



Red (87%)

Yellow (96%)

Blue (25%)

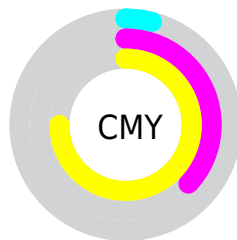


Cyan (0%)

Magenta (34%)

Yellow (73%)

Black (4%)



Cyan (4%)

Magenta (37%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7564, 0.4771, 0.4200 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 44.7564, 0.4771, 0.4200 by changing the saturation by 10% instead.


 44.7564, 0.4771,
0.4200


 44.7564, 0.4771,
0.4200


365.7861, 0.3986,
0.3833


 31.2656, 0.4939,
0.4254


 82.3547, 0.4503,
0.4093


 20.8012, 0.5135,
0.4300


 107.2311, 0.4397,
0.4045


 12.9787, 0.5357,
0.4323


 136.6714, 0.4305,
0.4001

 7.4139, 0.5662,
0.4338

 171.0600, 0.4224,
0.3961

 3.7223, 0.5849,
0.4151

 210.7814, 0.4154,
0.3924

 1.5195, 0.6151,
0.3849

256.2200, 0.4091,

 0.3024, 0.7397,

0.3891

0.2603

307.7601, 0.4035,
0.3861

■ 0.0000, 0.0000,
0.0000

■ 44.7564, 0.4771,
0.4200

■ 44.7564, 0.4771,
0.4200

■ 40.7434, 0.5014,
0.4222

■ 49.2622, 0.4510,
0.4130

■ 37.1894, 0.5222,
0.4188


■ 54.2772, 0.4246,
0.4024


■ 35.0592, 0.5342,
0.4141

■ 59.8251, 0.3991,
0.3896


■ 65.9254, 0.3755,
0.3755

■ 72.5963, 0.3540,
0.3610

 79.8551, 0.3348,
0.3469

 87.7180, 0.3179,
0.3334

 95.8575, 0.3061,
0.3257

 97.9780, 0.3060,
0.3290

Harmonies

Analogous

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



44.7564, 0.4894, 0.3555



44.7564, 0.4771, 0.4200



44.7564, 0.4196, 0.4768

Triad

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



44.7564, 0.4771, 0.4200



44.7564, 0.1926, 0.3497



44.7564, 0.2653, 0.2068

Complementary

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



44.7564, 0.4771, 0.4200



29.1760, 0.1976, 0.1969

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.



44.7564, 0.2003, 0.1955



44.7564, 0.4771, 0.4200



44.7564, 0.1633, 0.2621

Square

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



44.7564, 0.4771, 0.4200



44.7564, 0.2554, 0.4481



44.7564, 0.1665, 0.2118



44.7564, 0.3553, 0.2415

Rectangle

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



44.7564, 0.4771, 0.4200



44.7564, 0.3670, 0.4970



44.7564, 0.1665, 0.2118



44.7564, 0.2402, 0.2003

Sweetspot

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



44.7587, 0.4771, 0.4200



81.2302, 0.3514, 0.3592



25.2749, 0.4390, 0.2474



16.9392, 0.3569, 0.3631



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.



44.7587, 0.4771, 0.4200



43.0564, 0.5120, 0.4213



83.8083, 0.4072, 0.4903



17.9381, 0.3280, 0.3416



19.3349, 0.5318, 0.4159



1.9051, 0.5139, 0.4302

Inverse Universe

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



29.1760, 0.1976, 0.1969



25.1008, 0.1821, 0.1668



11.5477, 0.1733, 0.0971



17.2096, 0.2980, 0.3161



10.4324, 0.1744, 0.1477



1.1208, 0.1809, 0.1711

Previews

White Background



This preview shows how the Yxy color 44.7564, 0.4771, 0.4200 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 44.7564, 0.4771, 0.4200 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 44.7564, 0.4771, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 44.7564, 0.4771, 0.4200.



This preview shows how white text looks on a background with the Yxy color 44.7564, 0.4771, 0.4200.

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

44.7564, 0.4771, 0.4200

Protanopia

44.8245, 0.4165, 0.4579

Deuteranopia

44.7852, 0.4511, 0.4423



Tritanopia

44.7099, 0.4031, 0.3175

Trichromacy



Original Color

44.7564, 0.4771, 0.4200

Protanomaly

44.3695, 0.4386, 0.4441

Deuteranomaly

44.6202, 0.4614, 0.4335

Tritanomaly

44.5740, 0.4354, 0.3592

Monochromacy



Original Color

44.7564, 0.4771, 0.4200

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.2393, 0.3728, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7564, 0.4771, 0.4200 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(244, 160, 65)` looks like.

```
.text, #text, p{  
    color:rgb(244, 160, 65)  
}
```

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(244, 160, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 160, 65) }
```

Border

The CSS property to change the border of an element to Yxy 44.7564, 0.4771, 0.4200 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(244, 160, 65) }
```

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

```
.border{ border-color:rgb(244, 160, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 160, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 160, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 160, 65);  
box-shadow:4px 4px 4px 4px rgb(244, 160,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7564, 0.4771, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 160, 65) }
```

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

```
.background{ background-color: rgb(244,  
160, 65) }
```

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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