

Converting Colors

$Y_{xy}(40.7229, 0.5022, 0.4219)$

Have a look what the booklet for
Yxy(40.7229, 0.5022, 0.4219)
contains.

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Color

Yxy(40.5661, 0.5022, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	F49428
RGB	244, 148, 40
RGB Percent	96%, 58%, 16%
CMY	0.0431, 0.4196, 0.8429
CMYK	0.00, 0.39, 0.84, 0.04
HSL	32°, 90%, 56%
HSV	32°, 84%, 96%
XYZ	48.2870, 40.5661, 7.2979
YIQ	164.3920, 91.8840, -13.2360

Conversions

Conversions Part 2

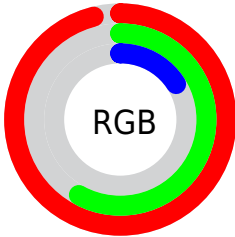
Format	Color
R _Y B	221, 244, 40
Decimal	16028712
CIE Lab	69.87, 28.83, 66.81
CIE LCh	70, 72.768, 66.658
Yxy	40.5661, 0.5022, 0.4219
Android (android.graphics.Color)	4294218792 (0xFF49428)
YUV	164.3920, -61.3253, 69.8162
Hunter-Lab	63.6915, 23.8676, 37.7905

Details

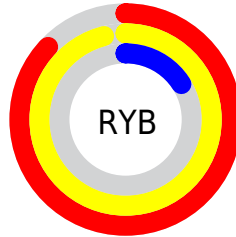
The Yxy color **40.5661, 0.5022, 0.4219** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **24.6184, 0.1864, 0.1763**, and the grayscale version is **37.5907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3456, 0.4330, 0.4321**, and **18.4945, 0.5309, 0.4167** is the 20% darker color. If you saturate the color by 10%, you get **37.0240, 0.5230, 0.4184**, and if you desaturate by 10%, it is **44.5748, 0.4779, 0.4199**.

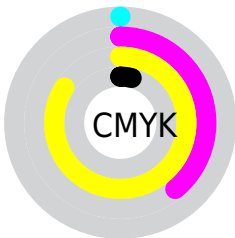
Distribution



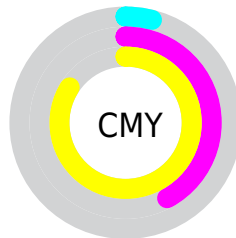
- Red (96%)
- Green (58%)
- Blue (16%)



- Red (87%)
- Yellow (96%)
- Blue (16%)



- Cyan (0%)
- Magenta (39%)
- Yellow (84%)
- Black (4%)





- Cyan (4%)
- Magenta (42%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5661, 0.5022, 0.4219 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 40.5661, 0.5022, 0.4219 by changing the saturation by 10% instead.


 40.5661, 0.5022,
0.4219

 40.5661, 0.5022,
0.4219


348.5039, 0.4122,
0.3877


 27.9802, 0.5207,
0.4251


 76.0248, 0.4721,
0.4133


 18.3107, 0.5414,
0.4262


 99.6664, 0.4599,
0.4089

 11.1733, 0.5687,
0.4262


 127.7619, 0.4492,
0.4047

 6.1835, 0.5885,
0.4115

 160.6959, 0.4399,
0.4007

 2.9570, 0.6135,
0.3865

 198.8527, 0.4317,
0.3971

 1.1093, 0.6545,
0.3455

 242.6167, 0.4245,

 0.0000, 1.0000,

0.3937

0.0000

292.3723, 0.4180,
0.3906

■ 0.0000, 0.0000,
0.0000

■ 40.5661, 0.5022,
0.4219

■ 40.5661, 0.5022,
0.4219

■ 37.0240, 0.5230,
0.4184

■ 44.5748, 0.4779,
0.4199


■ 34.9718, 0.5346,
0.4138

■ 49.0708, 0.4517,
0.4130


■ 54.0797, 0.4253,
0.4026

■ 59.6230, 0.3998,
0.3897

■ 65.7202, 0.3760,
0.3757

 72.3898, 0.3545,
0.3613

 79.6491, 0.3352,
0.3472

 87.5145, 0.3183,
0.3336

 95.6965, 0.3061,
0.3255

Harmonies

Analogous

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



40.5661, 0.5159, 0.3498



40.5661, 0.5022, 0.4219



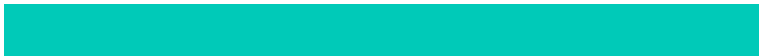
40.5661, 0.4363, 0.4919

Triad

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



40.5661, 0.5022, 0.4219



40.5661, 0.1781, 0.3596



40.5661, 0.2513, 0.1895

Complementary

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



40.5661, 0.5022, 0.4219



24.6184, 0.1864, 0.1763

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.



40.5661, 0.1814, 0.1784



40.5661, 0.5022, 0.4219



40.5661, 0.1447, 0.2548

Square

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



40.5661, 0.5022, 0.4219



40.5661, 0.2501, 0.4781



40.5661, 0.1469, 0.1971



40.5661, 0.3537, 0.2262

Rectangle

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



40.5661, 0.5022, 0.4219



40.5661, 0.3767, 0.5229



40.5661, 0.1469, 0.1971



40.5661, 0.2239, 0.1828

Sweetspot

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



40.5682, 0.5022, 0.4219



78.8753, 0.3575, 0.3634



22.6120, 0.4656, 0.2465



16.3184, 0.3650, 0.3685



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.



40.5682, 0.5022, 0.4219



38.5721, 0.5349, 0.4135



83.5003, 0.4128, 0.5003



17.9343, 0.3280, 0.3415



19.2887, 0.5322, 0.4156



1.9010, 0.5142, 0.4299

Inverse Universe

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



24.6184, 0.1864, 0.1763



20.6666, 0.1736, 0.1448



8.5784, 0.1603, 0.0759



17.2133, 0.2980, 0.3161



10.4723, 0.1745, 0.1481



1.1244, 0.1810, 0.1715

Previews

White Background



This preview shows how the Yxy color 40.5661, 0.5022, 0.4219 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 40.5661, 0.5022, 0.4219 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 40.5661, 0.5022, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 40.5661, 0.5022, 0.4219.



This preview shows how white text looks on a background with the Yxy color 40.5661, 0.5022, 0.4219.

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

40.5661, 0.5022, 0.4219

Protanopia

40.9088, 0.4279, 0.4733

Deuteranopia

40.5494, 0.4657, 0.4549



Tritanopia

40.4548, 0.4214, 0.3186

Trichromacy



Original Color

40.5661, 0.5022, 0.4219

Protanomaly

40.2251, 0.4559, 0.4537

Deuteranomaly

40.4101, 0.4790, 0.4425

Tritanomaly

40.2243, 0.4594, 0.3638

Monochromacy



Original Color

40.5661, 0.5022, 0.4219

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1231, 0.3859, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5661, 0.5022, 0.4219 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, 148, 40)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 148, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 148, 40) }
```

Border

The CSS property to change the border of an element to Yxy 40.5661, 0.5022, 0.4219 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, 148, 40) }
```

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

```
.border{ border-color:rgb(244, 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(244, 148, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 148, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 148, 40);  
box-shadow:4px 4px 4px 4px rgb(244, 148,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5661, 0.5022, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 148, 40) }
```

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

```
.background{ background-color: rgb(244,  
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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