

Converting Colors

$Yxy(45.9044, 0.4938, 0.4388)$

Have a look what the booklet for
Yxy(45.9044, 0.4938, 0.4388)
contains.

Yxy(45.6850, 0.4940, 0.4386)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6850, 0.4940, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	F7A219
RGB	247, 162, 25
RGB Percent	97%, 64%, 10%
CMY	0.0313, 0.3647, 0.9023
CMYK	0.00, 0.34, 0.90, 0.03
HSL	37°, 93%, 53%
HSV	37°, 90%, 97%
XYZ	51.4555, 45.6850, 7.0204
YIQ	171.7970, 94.6370, -24.5870

Conversions

Conversions Part 2

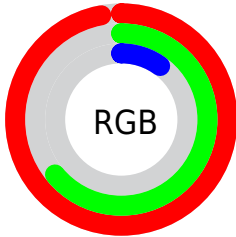
Format	Color
RYB	163, 247, 25
Decimal	16228889
CIELab	73.34, 22.42, 73.84
CIElCh	73, 77.165, 73.111
Yxy	45.6850, 0.4940, 0.4386
Android (android.graphics.Color)	4294418969 (0xFFFF7A219)
YUV	171.7970, -72.3709, 65.9530
Hunter-Lab	67.5907, 17.6050, 41.1552

Details

The Yxy color **45.6850, 0.4940, 0.4386** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **18.0562, 0.1736, 0.1377**, and the grayscale version is **41.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5903, 0.4268, 0.4506**, and **21.4661, 0.5133, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **42.4113, 0.5087, 0.4343**, and if you desaturate by 10%, it is **49.3017, 0.4761, 0.4381**.

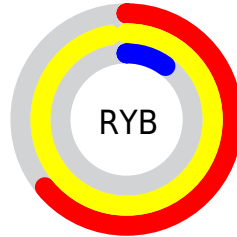
Distribution



Red (97%)

Green (64%)

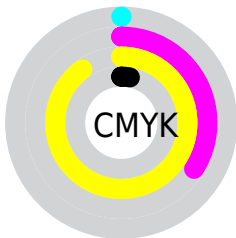
Blue (10%)



Red (64%)

Yellow (97%)

Blue (10%)

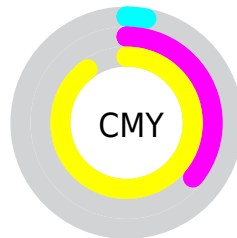


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (3%)



Cyan (3%)

Magenta (36%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6850, 0.4940, 0.4386 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 45.6850, 0.4940, 0.4386 by changing the saturation by 10% instead.


 45.6850, 0.4940,
0.4386


 45.6850, 0.4940,
0.4386


369.5408, 0.4116,
0.3975

 31.9973, 0.5097,
0.4433


 83.7474, 0.4674,
0.4278

 21.3595, 0.5267,
0.4461

 108.8909, 0.4563,
0.4224

 13.3870, 0.5490,
0.4489


 138.6217, 0.4466,
0.4174

 7.6956, 0.5621,
0.4379

 173.3244, 0.4379,
0.4128

 3.9008, 0.5797,
0.4203

 213.3832, 0.4302,
0.4084

 1.6182, 0.6080,
0.3920

 259.1827, 0.4233,

 0.3698, 0.7088,

0.4045

0.2912

311.1070, 0.4172,
0.4008

■ 0.0000, 0.0000,
0.0000

■ 45.6850, 0.4940,
0.4386

■ 45.6850, 0.4940,
0.4386

■ 42.4113, 0.5087,
0.4343

■ 49.3017, 0.4761,
0.4381


■ 42.3844, 0.5088,
0.4342

■ 53.2862, 0.4552,
0.4323


■ 57.6625, 0.4327,
0.4221

■ 62.4491, 0.4097,
0.4088

■ 67.6628, 0.3872,
0.3934

 73.3190, 0.3660,
0.3770

 79.4321, 0.3463,
0.3604

 86.0156, 0.3285,
0.3443

 93.0822, 0.3126,
0.3289

Harmonies

Analogous

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



45.6850, 0.5222, 0.3648



45.6850, 0.4940, 0.4386



45.6850, 0.4190, 0.5069

Triad

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



45.6850, 0.4940, 0.4386



45.6850, 0.1652, 0.3334



45.6850, 0.2702, 0.1934

Complementary

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



45.6850, 0.4940, 0.4386



18.0562, 0.1736, 0.1377

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.



45.6850, 0.1915, 0.1763



45.6850, 0.4940, 0.4386



45.6850, 0.1400, 0.2367

Square

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



45.6850, 0.4940, 0.4386



45.6850, 0.2301, 0.4585



45.6850, 0.1493, 0.1880



45.6850, 0.3789, 0.2355

Rectangle

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



45.6850, 0.4940, 0.4386



45.6850, 0.3563, 0.5307



45.6850, 0.1493, 0.1880



45.6850, 0.2398, 0.1847

Sweetspot

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



45.6874, 0.4940, 0.4386



80.6555, 0.3602, 0.3722



21.5944, 0.5199, 0.2704



16.7965, 0.3671, 0.3779



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.



45.6874, 0.4940, 0.4386



45.5093, 0.5090, 0.4341



81.9849, 0.3988, 0.5167



18.1860, 0.3278, 0.3436



22.6969, 0.5069, 0.4357



2.1932, 0.4930, 0.4468

Inverse Universe

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



18.0562, 0.1736, 0.1377



15.8808, 0.1661, 0.1178



8.1068, 0.1605, 0.0704



16.9665, 0.2980, 0.3140



8.0897, 0.1670, 0.1212



0.9032, 0.1739, 0.1460

Previews

White Background



This preview shows how the Yxy color 45.6850, 0.4940, 0.4386 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 45.6850, 0.4940, 0.4386 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 45.6850, 0.4940, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 45.6850, 0.4940, 0.4386.



This preview shows how white text looks on a background with the Yxy color 45.6850, 0.4940, 0.4386.

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

45.6850, 0.4940, 0.4386

Protanopia

45.8432, 0.4348, 0.4815

Deuteranopia

45.6515, 0.4708, 0.4609



Tritanopia

45.8127, 0.4054, 0.3177

Trichromacy



Original Color

45.6850, 0.4940, 0.4386

Protanomaly

45.4209, 0.4568, 0.4655

Deuteranomaly

45.7111, 0.4793, 0.4529

Tritanomaly

45.1218, 0.4509, 0.3738

Monochromacy



Original Color

45.6850, 0.4940, 0.4386

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.4793, 0.3869, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6850, 0.4940, 0.4386 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(247, 162, 25)` looks like.

```
.text, #text, p{  
    color:rgb(247, 162, 25)  
}
```

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(247, 162, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 162, 25) }
```

Border

The CSS property to change the border of an element to Yxy 45.6850, 0.4940, 0.4386 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(247, 162, 25) }
```

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

```
.border{ border-color:rgb(247, 162, 25) }
```

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

Here you see how a box with a 4 pixel rgb(247, 162, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 162, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 162, 25);  
box-shadow:4px 4px 4px 4px rgb(247, 162,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6850, 0.4940, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 162, 25) }
```

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

```
.background{ background-color: rgb(247,  
162, 25) }
```

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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