

Converting Colors

Yxy(50.6802, 0.4869, 0.4416)

Have a look what the booklet for
Yxy(50.6802, 0.4869, 0.4416)
contains.

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Color

Yxy(50.6802, 0.4869, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	FEAC20
RGB	254, 172, 32
RGB Percent	100%, 67%, 13%
CMY	0.0040, 0.3254, 0.8744
CMYK	0.00, 0.32, 0.87, 0.00
HSL	38°, 99%, 56%
HSV	38°, 87%, 100%
XYZ	55.8791, 50.6802, 8.2057
YIQ	180.5580, 93.8120, -26.1560

Conversions

Conversions Part 2

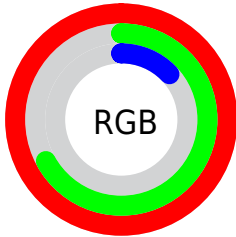
Format	Color
RYB	162, 254, 32
Decimal	16690208
CIELab	76.48, 20.22, 74.98
CIElCh	76, 77.657, 74.906
Yxy	50.6802, 0.4869, 0.4416
Android (android.graphics.Color)	4294880288 (0xFFFEAC20)
YUV	180.5580, -73.2391, 64.4086
Hunter-Lab	71.1900, 15.5271, 42.9990

Details

The Yxy color **50.6802, 0.4869, 0.4416** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **19.4933, 0.1747, 0.1390**, and the grayscale version is **46.3258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0063, 0.4174, 0.4544**, and **24.5093, 0.5040, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **47.1476, 0.5016, 0.4385**, and if you desaturate by 10%, it is **54.5753, 0.4688, 0.4395**.

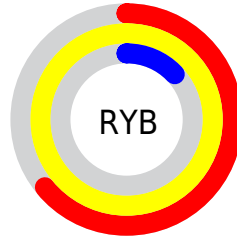
Distribution



Red (100%)

Green (67%)

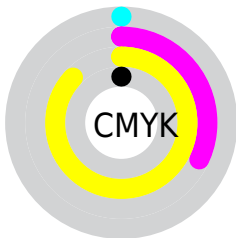
Blue (13%)



Red (64%)

Yellow (100%)

Blue (13%)

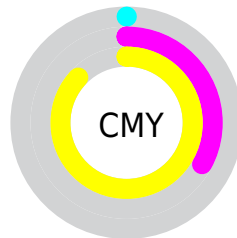


Cyan (0%)

Magenta (32%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6802, 0.4869, 0.4416 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 50.6802, 0.4869, 0.4416 by changing the saturation by 10% instead.

 50.6802, 0.4869,
0.4416

 50.6802, 0.4869,
0.4416


389.3200, 0.4092,
0.3989


 35.9542, 0.5016,
0.4470


 91.1819, 0.4620,
0.4300

 24.3988, 0.5175,
0.4511


 117.7263, 0.4516,
0.4244

 15.6297, 0.5358,
0.4537


 148.9790, 0.4424,
0.4193

 9.2625, 0.5513,
0.4487

 185.3243, 0.4342,
0.4145

 4.9128, 0.5655,
0.4345

 227.1467, 0.4269,
0.4101

 2.1962, 0.5876,
0.4124

 274.8305, 0.4203,

 0.7179, 0.6300,

0.4060

0.3700

328.7601, 0.4144,
0.4023

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.6802, 0.4869,
0.4416

■ 50.6802, 0.4869,
0.4416

■ 47.1476, 0.5016,
0.4385


■ 54.5753, 0.4688,
0.4395


■ 46.2733, 0.5051,
0.4371

■ 58.8516, 0.4480,
0.4323


■ 63.5332, 0.4258,
0.4209

■ 68.6390, 0.4033,
0.4067

 74.1858, 0.3814,
0.3906

 80.1895, 0.3607,
0.3738

 86.6646, 0.3416,
0.3569

 93.6248, 0.3243,
0.3406

99.8054, 0.3121,
0.3290

Harmonies

Analogous

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



50.6802, 0.5172, 0.3692



50.6802, 0.4869, 0.4416



50.6802, 0.4122, 0.5060

Triad

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



50.6802, 0.4869, 0.4416



50.6802, 0.1662, 0.3268



50.6802, 0.2771, 0.1981

Complementary

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



50.6802, 0.4869, 0.4416



19.4933, 0.1747, 0.1390

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.



50.6802, 0.1978, 0.1797



50.6802, 0.4869, 0.4416



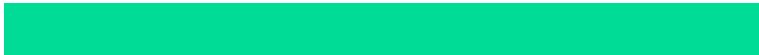
50.6802, 0.1432, 0.2352

Square

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



50.6802, 0.4869, 0.4416



50.6802, 0.2278, 0.4477



50.6802, 0.1542, 0.1896



50.6802, 0.3839, 0.2409

Rectangle

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



50.6802, 0.4869, 0.4416



50.6802, 0.3504, 0.5256



50.6802, 0.1542, 0.1896



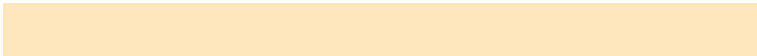
50.6802, 0.2468, 0.1891

Sweetspot

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



50.6828, 0.4869, 0.4416



81.8037, 0.3579, 0.3714



23.3874, 0.5125, 0.2688



17.0438, 0.3649, 0.3773



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.



50.6828, 0.4869, 0.4416



46.6938, 0.5051, 0.4371



87.4767, 0.3986, 0.5149



19.8969, 0.3278, 0.3440



24.6938, 0.5033, 0.4386



2.6134, 0.4912, 0.4482

Inverse Universe

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



19.4933, 0.1747, 0.1390



15.2539, 0.1650, 0.1141



9.0863, 0.1629, 0.0735



18.4762, 0.2979, 0.3136



8.2309, 0.1659, 0.1171



1.0018, 0.1721, 0.1395

Previews

White Background



This preview shows how the Yxy color 50.6802, 0.4869, 0.4416 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 50.6802, 0.4869, 0.4416 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 50.6802, 0.4869, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 50.6802, 0.4869, 0.4416.



This preview shows how white text looks on a background with the Yxy color 50.6802, 0.4869, 0.4416.

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

50.6802, 0.4869, 0.4416

Protanopia

51.1066, 0.4338, 0.4800

Deuteranopia

50.6655, 0.4693, 0.4581



Tritanopia

50.5104, 0.3898, 0.3176

Trichromacy



Original Color

50.6802, 0.4869, 0.4416

Protanomaly

50.4823, 0.4539, 0.4655

Deuteranomaly

50.3676, 0.4760, 0.4520

Tritanomaly

49.9376, 0.4380, 0.3746

Monochromacy



Original Color

50.6802, 0.4869, 0.4416

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.7830, 0.3838, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6802, 0.4869, 0.4416 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(254, 172, 32)` looks like.

```
.text, #text, p{  
    color:rgb(254, 172, 32)  
}
```

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(254, 172, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 172, 32) }
```

Border

The CSS property to change the border of an element to Yxy 50.6802, 0.4869, 0.4416 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(254, 172, 32) }
```

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

```
.border{ border-color:rgb(254, 172, 32) }
```

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

Here you see how a box with a 4 pixel rgb(254, 172, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 172, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 172, 32);  
box-shadow:4px 4px 4px 4px rgb(254, 172,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6802, 0.4869, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 172, 32) }
```

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

```
.background{ background-color: rgb(254,  
172, 32) }
```

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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