

Converting Colors

$Y_{xy}(48.2781, 0.4451, 0.3792)$

Have a look what the booklet for
Yxy(48.2781, 0.4451, 0.3792)
contains.

Yxy(48.2919, 0.4453, 0.3797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.2919, 0.4453, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	FDA372
RGB	253, 163, 114
RGB Percent	99%, 64%, 45%
CMY	0.0080, 0.3607, 0.5529
CMYK	0.00, 0.36, 0.55, 0.01
HSL	21°, 97%, 72%
HSV	21°, 55%, 99%
XYZ	56.6352, 48.2919, 22.2573
YIQ	184.3240, 69.3690, 3.8410

Conversions

Conversions Part 2

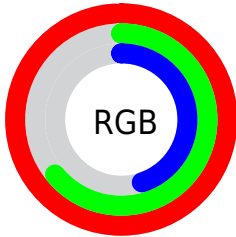
Format	Color
R _Y B	253, 190, 114
Decimal	16622450
CIE Lab	75.01, 28.47, 39.10
CIE LCh	75, 48.362, 53.941
Yxy	48.2919, 0.4453, 0.3797
Android (android.graphics.Color)	4294812530 (0xFFFDA372)
YUV	184.3240, -34.6697, 60.2289
Hunter-Lab	69.4924, 23.8630, 29.6551

Details

The Yxy color **48.2919, 0.4453, 0.3797** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.8332, 0.2302, 0.2679**, and the grayscale version is **48.2899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1928, 0.3768, 0.3815**, and **23.0880, 0.4798, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **42.3515, 0.4796, 0.3857**, and if you desaturate by 10%, it is **55.1494, 0.4134, 0.3714**.

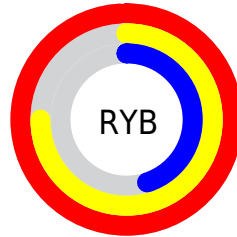
Distribution



Red (99%)

Green (64%)

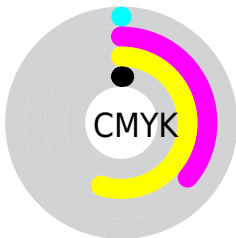
Blue (45%)



Red (99%)

Yellow (75%)

Blue (45%)

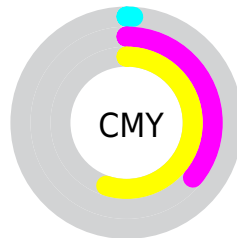


Cyan (0%)

Magenta (36%)

Yellow (55%)

Black (1%)



Cyan (1%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2919, 0.4453, 0.3797 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 48.2919, 0.4453, 0.3797 by changing the saturation by 10% instead.


 48.2919, 0.4453,
0.3797


 48.2919, 0.4453,
0.3797


379.9480, 0.3797,
0.3588


 34.0581, 0.4609,
0.3833


 87.6389, 0.4219,
0.3733

 22.9382, 0.4802,
0.3869


 113.5208, 0.4130,
0.3705

 14.5479, 0.5046,
0.3900


 144.0543, 0.4054,
0.3680

 8.5027, 0.5358,
0.3912

 179.6236, 0.3988,
0.3658

 4.4183, 0.5831,
0.3920

220.6133, 0.3931,
0.3638

 1.9102, 0.6291,
0.3709

267.4076, 0.3881,

 0.5545, 0.6981,

0.3619

0.3019

320.3911, 0.3837,
0.3603

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.2919, 0.4453,
0.3797

48.2919, 0.4453,
0.3797

42.3515, 0.4796,
0.3857

55.1494, 0.4134,
0.3714

37.2786, 0.5145,
0.3881

62.9558, 0.3849,
0.3620

33.0296, 0.5472,
0.3857

71.7501, 0.3601,
0.3521

29.5523, 0.5744,
0.3781

81.5668, 0.3388,
0.3425

■ 28.0598, 0.5860,
0.3729

■ 92.4387, 0.3206,
0.3333

99.6174, 0.3115,
0.3290

Harmonies

Analogous

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



48.2919, 0.4309, 0.3291



48.2919, 0.4453, 0.3797



48.2919, 0.4202, 0.4253

Triad

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



48.2919, 0.4453, 0.3797



48.2919, 0.2443, 0.3805



48.2919, 0.2505, 0.2276

Complementary

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



48.2919, 0.4453, 0.3797



53.8332, 0.2302, 0.2679

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.



48.2919, 0.2105, 0.2303



48.2919, 0.4453, 0.3797



48.2919, 0.2066, 0.3111

Square

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



48.2919, 0.4453, 0.3797



48.2919, 0.3028, 0.4365



48.2919, 0.1954, 0.2577



48.2919, 0.3114, 0.2463

Rectangle

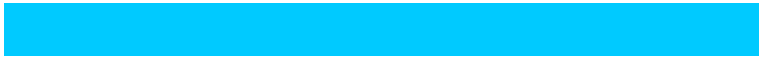
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.2919, 0.4453, 0.3797



48.2919, 0.3871, 0.4458



48.2919, 0.1954, 0.2577



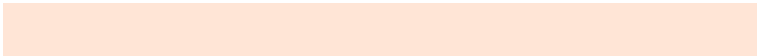
48.2919, 0.2345, 0.2260

Sweetspot

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



48.2943, 0.4453, 0.3797



81.9376, 0.3409, 0.3435



37.2891, 0.3677, 0.2386



17.0839, 0.3451, 0.3455



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.



48.2943, 0.4453, 0.3797



42.5199, 0.4835, 0.3862



79.8772, 0.4028, 0.4442



19.0351, 0.3285, 0.3374



15.1776, 0.5831, 0.3752



1.6742, 0.5613, 0.3925

Inverse Universe

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



53.8332, 0.2302, 0.2679



48.5488, 0.2168, 0.2529



27.9543, 0.2111, 0.1771



19.3399, 0.2980, 0.3204



18.1363, 0.1914, 0.2089



1.9716, 0.1956, 0.2242

Previews

White Background



This preview shows how the Yxy color 48.2919, 0.4453, 0.3797 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 48.2919, 0.4453, 0.3797 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 48.2919, 0.4453, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 48.2919, 0.4453, 0.3797.



This preview shows how white text looks on a background with the Yxy color 48.2919, 0.4453, 0.3797.

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

48.2919, 0.4453, 0.3797

Protanopia

48.5455, 0.3773, 0.4069

Deuteranopia

48.4393, 0.4126, 0.4051



Tritanopia

48.2011, 0.3978, 0.3177

Trichromacy



Original Color

48.2919, 0.4453, 0.3797

Protanomaly

48.0160, 0.4015, 0.3964

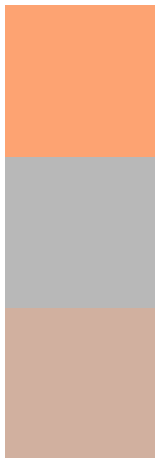
Deuteranomaly

48.3371, 0.4250, 0.3956

Tritanomaly

48.0052, 0.4163, 0.3409

Monochromacy



Original Color

48.2919, 0.4453, 0.3797

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.1092, 0.3573, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2919, 0.4453, 0.3797 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(253, 163, 114)` looks like.

```
.text, #text, p{  
    color:rgb(253, 163, 114)  
}
```

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(253, 163, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 163, 114) }
```

Border

The CSS property to change the border of an element to Yxy 48.2919, 0.4453, 0.3797 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(253, 163, 114) }
```

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

```
.border{ border-color:rgb(253, 163, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 163, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 163, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 163, 114);  
box-shadow:4px 4px 4px 4px rgb(253, 163,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2919, 0.4453, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 163, 114) }
```

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

```
.background{ background-color: rgb(253,  
163, 114) }
```

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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