

Converting Colors

$Y_{xy}(42.9413, 0.4490, 0.4003)$

Have a look what the booklet for
Yxy(42.9413, 0.4490, 0.4003)
contains.

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Color

Yxy(43.0790, 0.4493, 0.4007)

Conversions

Conversions Part 1

Format	Color
Hex	EA9F5D
RGB	234, 159, 93
RGB Percent	92%, 62%, 36%
CMY	0.0824, 0.3764, 0.6353
CMYK	0.00, 0.32, 0.60, 0.08
HSL	28°, 77%, 64%
HSV	28°, 60%, 92%
XYZ	48.3040, 43.0790, 16.1264
YIQ	173.9010, 65.8860, -4.6260

Conversions

Conversions Part 2

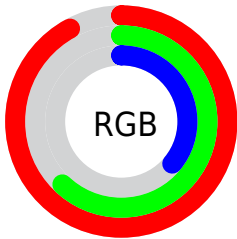
Format	Color
RYB	234, 217, 93
Decimal	15376221
CIELab	71.61, 21.39, 45.23
CIELCh	72, 50.034, 64.693
Yxy	43.0790, 0.4493, 0.4007
Android (android.graphics.Color)	4293566301 (0xFFEA9F5D)
YUV	173.9010, -39.8842, 52.7068
Hunter-Lab	65.6346, 16.5070, 31.3767

Details

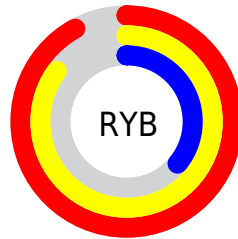
The Yxy color **43.0790, 0.4493, 0.4007** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **36.2690, 0.2185, 0.2375**, and the grayscale version is **42.4588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3975, 0.3940, 0.3996**, and **19.6959, 0.4844, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **38.6607, 0.4785, 0.4076**, and if you desaturate by 10%, it is **48.0594, 0.4207, 0.3907**.

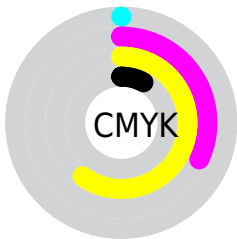
Distribution



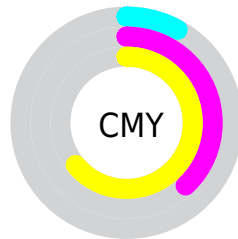
- Red (92%)
- Green (62%)
- Blue (36%)



- Red (92%)
- Yellow (85%)
- Blue (36%)



- Cyan (0%)
- Magenta (32%)
- Yellow (60%)
- Black (8%)




- Cyan (8%)
- Magenta (38%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0790, 0.4493, 0.4007 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 43.0790, 0.4493, 0.4007 by changing the saturation by 10% instead.

 43.0790, 0.4493,
0.4007


 43.0790, 0.4493,
0.4007


358.9366, 0.3814,
0.3695


 29.9471, 0.4652,
0.4064


 79.8301, 0.4252,
0.3908

 19.7984, 0.4847,
0.4124


 104.2180, 0.4160,
0.3866

 12.2486, 0.5088,
0.4178


 133.1268, 0.4081,
0.3829

 6.9132, 0.5392,
0.4213

 166.9407, 0.4013,
0.3796

 3.4079, 0.5796,
0.4204

206.0443, 0.3953,
0.3767

 1.3482, 0.6095,
0.3905

250.8219, 0.3901,

 0.1781, 0.7952,

0.3740

0.2048

301.6578, 0.3855,
0.3716

0.0000, 0.0000,
0.0000

43.0790, 0.4493,
0.4007

43.0790, 0.4493,
0.4007

38.6607, 0.4785,
0.4076

48.0594, 0.4207,
0.3907

34.7734, 0.5067,
0.4101

53.6180, 0.3940,
0.3788

31.3917, 0.5319,
0.4072

59.7781, 0.3698,
0.3662

28.5448, 0.5524,
0.3996

66.5594, 0.3483,
0.3534

73.9808, 0.3295,
0.3410

■ 82.0600, 0.3131,
0.3293

■ 90.6976, 0.2999,
0.3201

■ 96.2311, 0.2999,
0.3290

Harmonies

Analogous

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



43.0790, 0.4504, 0.3475



43.0790, 0.4493, 0.4007



43.0790, 0.4094, 0.4450

Triad

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



43.0790, 0.4493, 0.4007



43.0790, 0.2219, 0.3570



43.0790, 0.2672, 0.2260

Complementary

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



43.0790, 0.4493, 0.4007



36.2690, 0.2185, 0.2375

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.



43.0790, 0.2160, 0.2201



43.0790, 0.4493, 0.4007



43.0790, 0.1921, 0.2857

Square

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



43.0790, 0.4493, 0.4007



43.0790, 0.2774, 0.4279



43.0790, 0.1906, 0.2388



43.0790, 0.3375, 0.2529

Rectangle

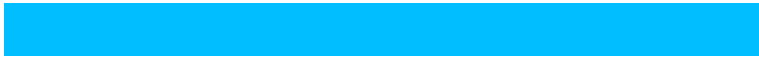
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.0790, 0.4493, 0.4007



43.0790, 0.3687, 0.4602



43.0790, 0.1906, 0.2388



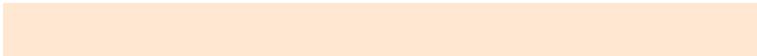
43.0790, 0.2475, 0.2215

Sweetspot

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



43.0812, 0.4493, 0.4007



82.7900, 0.3440, 0.3507



28.1557, 0.3966, 0.2485



17.1771, 0.3499, 0.3543



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.



43.0812, 0.4493, 0.4007



45.9536, 0.4846, 0.4085



74.4821, 0.4004, 0.4660



16.2167, 0.3281, 0.3401



16.2889, 0.5498, 0.4016



1.4701, 0.5271, 0.4197

Inverse Universe

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



36.2690, 0.2185, 0.2375



36.9682, 0.2031, 0.2152



16.9482, 0.1967, 0.1406



15.8755, 0.2981, 0.3177



11.7572, 0.1802, 0.1688



1.1156, 0.1869, 0.1926

Previews

White Background



This preview shows how the Yxy color 43.0790, 0.4493, 0.4007 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 43.0790, 0.4493, 0.4007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

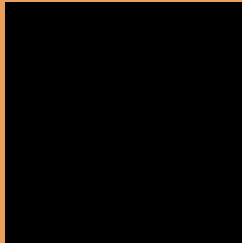
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0790, 0.4493, 0.4007

Background



This preview shows how black text looks on a background with the Yxy color 43.0790, 0.4493, 0.4007.



This preview shows how white text looks on a background with the Yxy color 43.0790, 0.4493, 0.4007.

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

43.0790, 0.4493, 0.4007

Protanopia

43.2890, 0.3933, 0.4281

Deuteranopia

42.9917, 0.4279, 0.4178



Tritanopia

43.0926, 0.3911, 0.3169

Trichromacy



Original Color

43.0790, 0.4493, 0.4007

Protanomaly

43.0224, 0.4133, 0.4179

Deuteranomaly

43.0116, 0.4360, 0.4109

Tritanomaly

42.9219, 0.4140, 0.3484

Monochromacy



Original Color

43.0790, 0.4493, 0.4007

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.1560, 0.3597, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0790, 0.4493, 0.4007 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(234, 159, 93)` looks like.

```
.text, #text, p{  
    color:rgb(234, 159, 93)  
}
```

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(234, 159, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 159, 93) }
```

Border

The CSS property to change the border of an element to Yxy 43.0790, 0.4493, 0.4007 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(234, 159, 93) }
```

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

```
.border{ border-color:rgb(234, 159, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 159, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 159, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 159, 93);  
box-shadow:4px 4px 4px 4px rgb(234, 159,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0790, 0.4493, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 159, 93) }
```

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

```
.background{ background-color: rgb(234,  
159, 93) }
```

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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