

Converting Colors

$Y_{xy}(35.6726, 0.5041, 0.3931)$

Have a look what the booklet for
Yxy(35.6726, 0.5041, 0.3931)
contains.

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Color

Yxy(35.7499, 0.5039, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	F28440
RGB	242, 132, 64
RGB Percent	95%, 52%, 25%
CMY	0.0510, 0.4823, 0.7491
CMYK	0.00, 0.45, 0.74, 0.05
HSL	23°, 87%, 60%
HSV	23°, 74%, 95%
XYZ	45.7915, 35.7499, 9.3328
YIQ	157.1380, 87.3880, 2.1720

Conversions

Conversions Part 2

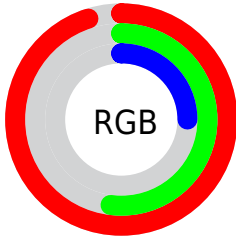
Format	Color
RYB	242, 174, 64
Decimal	15893568
CIELab	66.33, 37.11, 53.76
CIELCh	66, 65.325, 55.388
Yxy	35.7499, 0.5039, 0.3934
Android (android.graphics.Color)	4294083648 (0xFFFF28440)
YUV	157.1380, -45.9170, 74.4240
Hunter-Lab	59.7912, 32.0708, 32.5993

Details

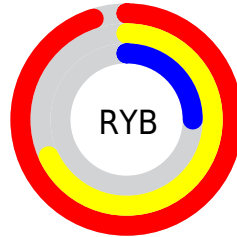
The Yxy color **35.7499, 0.5039, 0.3934** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **37.7504, 0.2072, 0.2351**, and the grayscale version is **33.9641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6156, 0.4311, 0.4013**, and **15.4603, 0.5532, 0.3934** is the 20% darker color. If you saturate the color by 10%, you get **31.7649, 0.5356, 0.3924**, and if you desaturate by 10%, it is **40.4391, 0.4705, 0.3898**.

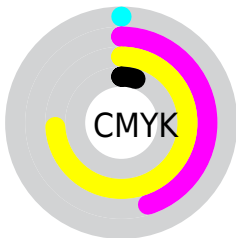
Distribution



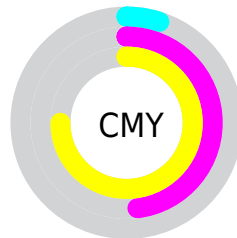
- Red (95%)
- Green (52%)
- Blue (25%)



- Red (95%)
- Yellow (68%)
- Blue (25%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (5%)




- Cyan (5%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7499, 0.5039, 0.3934 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 35.7499, 0.5039, 0.3934 by changing the saturation by 10% instead.


 35.7499, 0.5039,
0.3934


 35.7499, 0.5039,
0.3934

327.8661, 0.4077,
0.3706


 24.2411, 0.5259,
0.3949


 68.6459, 0.4700,
0.3880

 15.5126, 0.5523,
0.3942

 90.8018, 0.4568,
0.3851


 9.1799, 0.5844,
0.3893


 117.2756, 0.4456,
0.3823

 4.8587, 0.6235,
0.3765

 148.4517, 0.4359,
0.3796

 2.1646, 0.6587,
0.3413

 184.7143, 0.4274,
0.3771

 0.7006, 0.7202,
0.2798

226.4480, 0.4200,

 0.0000, 1.0000,

0.3747

0.0000

274.0371, 0.4135,
0.3726

■ 0.0000, 0.0000,
0.0000

■ 35.7499, 0.5039,
0.3934

■ 35.7499, 0.5039,
0.3934

■ 31.7649, 0.5356,
0.3924

■ 40.4391, 0.4705,
0.3898

■ 28.4371, 0.5628,
0.3859


■ 45.8638, 0.4377,
0.3827


■ 26.6158, 0.5775,
0.3797


■ 52.0594, 0.4074,
0.3734


■ 59.0574, 0.3802,
0.3631

■ 66.8872, 0.3564,
0.3525

 75.5765, 0.3359,
0.3422

 85.1516, 0.3183,
0.3323

 95.4718, 0.3048,
0.3257

 97.6154, 0.3047,
0.3290

Harmonies

Analogous

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



35.7499, 0.4910, 0.3256



35.7499, 0.5039, 0.3934



35.7499, 0.4586, 0.4617

Triad

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



35.7499, 0.5039, 0.3934



35.7499, 0.2078, 0.4016



35.7499, 0.2259, 0.1893

Complementary

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



35.7499, 0.5039, 0.3934



37.7504, 0.2072, 0.2351

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.



35.7499, 0.1719, 0.1891



35.7499, 0.5039, 0.3934



35.7499, 0.1611, 0.2924

Square

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



35.7499, 0.5039, 0.3934



35.7499, 0.2875, 0.4952



35.7499, 0.1504, 0.2204



35.7499, 0.3130, 0.2157

Rectangle

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



35.7499, 0.5039, 0.3934



35.7499, 0.4079, 0.4987



35.7499, 0.1504, 0.2204



35.7499, 0.2041, 0.1861

Sweetspot

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



35.7518, 0.5039, 0.3934



76.7455, 0.3531, 0.3509



25.7020, 0.3995, 0.2215



15.8847, 0.3591, 0.3538



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.



35.7518, 0.5039, 0.3934



33.9336, 0.5491, 0.3900



69.5199, 0.4259, 0.4724



16.7492, 0.3284, 0.3381



14.5435, 0.5745, 0.3820



1.3964, 0.5500, 0.4015

Inverse Universe

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



37.7504, 0.2072, 0.2351



35.9660, 0.1947, 0.2133



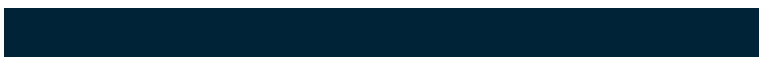
14.4306, 0.1775, 0.1186



16.8550, 0.2980, 0.3198



15.3488, 0.1885, 0.1987



1.4685, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 35.7499, 0.5039, 0.3934 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 35.7499, 0.5039, 0.3934 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 35.7499, 0.5039, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 35.7499, 0.5039, 0.3934.



This preview shows how white text looks on a background with the Yxy color 35.7499, 0.5039, 0.3934.

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

35.7499, 0.5039, 0.3934

Protanopia

36.0250, 0.4093, 0.4476

Deuteranopia

35.9732, 0.4491, 0.4405



Tritanopia

35.7016, 0.4430, 0.3198

Trichromacy



Original Color

35.7499, 0.5039, 0.3934

Protanomaly

35.2719, 0.4448, 0.4263

Deuteranomaly

35.6357, 0.4705, 0.4222

Tritanomaly

35.6739, 0.4693, 0.3492

Monochromacy



Original Color

35.7499, 0.5039, 0.3934

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.3012, 0.3813, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7499, 0.5039, 0.3934 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(242, 132, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 132, 64)  
}
```

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(242, 132, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 132, 64) }
```

Border

The CSS property to change the border of an element to Yxy 35.7499, 0.5039, 0.3934 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(242, 132, 64) }
```

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

```
.border{ border-color:rgb(242, 132, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 132, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 132, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 132, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 132,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7499, 0.5039, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 132, 64) }
```

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

```
.background{ background-color: rgb(242,  
132, 64) }
```

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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