

Converting Colors

$Y_{xy}(40.5335, 0.4592, 0.3759)$

Have a look what the booklet for
Yxy(40.5335, 0.4592, 0.3759)
contains.

Yxy(40.5718, 0.4596, 0.3757)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5718, 0.4596, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	F39266
RGB	243, 146, 102
RGB Percent	95%, 57%, 40%
CMY	0.0472, 0.4274, 0.6000
CMYK	0.00, 0.40, 0.58, 0.05
HSL	19°, 85%, 68%
HSV	19°, 58%, 95%
XYZ	49.6322, 40.5718, 17.7859
YIQ	169.9870, 71.9360, 6.8800

Conversions

Conversions Part 2

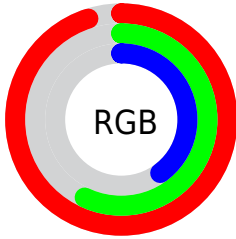
Format	Color
R _Y B	243, 166, 102
Decimal	15962726
CIE Lab	69.87, 32.48, 38.73
CIE LCh	70, 50.551, 50.013
Yxy	40.5718, 0.4596, 0.3757
Android (android.graphics.Color)	4294152806 (0xFFFF39266)
YUV	169.9870, -33.5176, 64.0324
Hunter-Lab	63.6960, 27.6199, 28.0316

Details

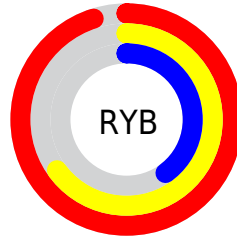
The Yxy color **40.5718, 0.4596, 0.3757** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.1185, 0.2281, 0.2718**, and the grayscale version is **40.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3664, 0.3930, 0.3780**, and **18.3390, 0.5011, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **35.3786, 0.4962, 0.3799**, and if you desaturate by 10%, it is **46.6634, 0.4253, 0.3690**.

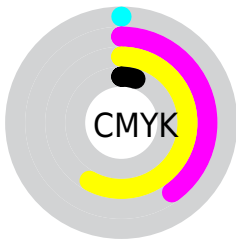
Distribution



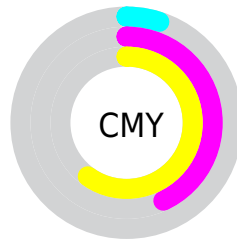
- Red (95%)
- Green (57%)
- Blue (40%)



- Red (95%)
- Yellow (65%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (58%)
- Black (5%)





- Cyan (5%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5718, 0.4596, 0.3757 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 40.5718, 0.4596, 0.3757 by changing the saturation by 10% instead.


 40.5718, 0.4596,
0.3757

 40.5718, 0.4596,
0.3757


348.5278, 0.3849,
0.3571

 27.9846, 0.4779,
0.3784


 76.0334, 0.4326,
0.3703

 18.3141, 0.5007,
0.3807


 99.6767, 0.4224,
0.3678

 11.1757, 0.5298,
0.3814


 127.7742, 0.4137,
0.3656

 6.1852, 0.5672,
0.3781

 160.7102, 0.4063,
0.3635

 2.9580, 0.6274,
0.3726

198.8692, 0.3999,
0.3617

 1.1098, 0.6717,
0.3283

242.6355, 0.3942,

 0.0000, 1.0000,

0.3600

0.0000

292.3936, 0.3893,
0.3585

0.0000, 0.0000,
0.0000

40.5718, 0.4596,
0.3757

40.5718, 0.4596,
0.3757

35.3786, 0.4962,
0.3799

46.6634, 0.4253,
0.3690

31.0324, 0.5326,
0.3802

53.6889, 0.3946,
0.3609

27.4852, 0.5654,
0.3758

61.6894, 0.3680,
0.3522

24.6787, 0.5915,
0.3669

70.7014, 0.3452,
0.3436

24.2010, 0.5960,
0.3649

80.7596, 0.3259,
0.3353

■ 91.8969, 0.3097,
0.3275

■ 97.7896, 0.3053,
0.3290

Harmonies

Analogous

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



40.5718, 0.4383, 0.3210



40.5718, 0.4596, 0.3757



40.5718, 0.4361, 0.4277

Triad

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



40.5718, 0.4596, 0.3757



40.5718, 0.2443, 0.3964



40.5718, 0.2370, 0.2174

Complementary

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



40.5718, 0.4596, 0.3757



50.1185, 0.2281, 0.2718

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.



40.5718, 0.1973, 0.2231



40.5718, 0.4596, 0.3757



40.5718, 0.2001, 0.3178

Square

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



40.5718, 0.4596, 0.3757



40.5718, 0.3101, 0.4545



40.5718, 0.1846, 0.2559



40.5718, 0.3011, 0.2350

Rectangle

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



40.5718, 0.4596, 0.3757



40.5718, 0.4015, 0.4540



40.5718, 0.1846, 0.2559



40.5718, 0.2209, 0.2166

Sweetspot

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



40.5739, 0.4596, 0.3757



79.9474, 0.3432, 0.3427



32.7549, 0.3636, 0.2281



16.6537, 0.3474, 0.3444



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.



40.5739, 0.4596, 0.3757



38.3566, 0.5041, 0.3803



68.4966, 0.4115, 0.4433



17.3267, 0.3286, 0.3365



13.4971, 0.5932, 0.3672



1.3620, 0.5688, 0.3865

Inverse Universe

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



50.1185, 0.2281, 0.2718



49.7434, 0.2150, 0.2573



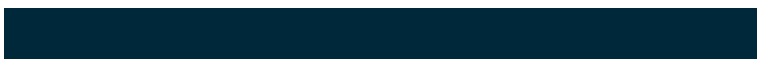
25.3119, 0.2073, 0.1769



17.8337, 0.2980, 0.3214



18.9953, 0.1955, 0.2237



1.8524, 0.1996, 0.2384

Previews

White Background



This preview shows how the Yxy color 40.5718, 0.4596, 0.3757 looks on a white background.

Color Contrast Check

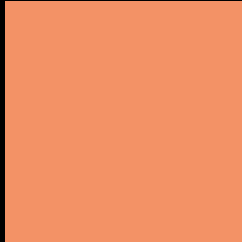
Large Text (above 18pt) WCAG AA × Fail

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 40.5718, 0.4596, 0.3757 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 40.5718, 0.4596, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 40.5718, 0.4596, 0.3757.



This preview shows how white text looks on a background with the Yxy color 40.5718, 0.4596, 0.3757.

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

40.5718, 0.4596, 0.3757

Protanopia

40.7348, 0.3786, 0.4087

Deuteranopia

40.4861, 0.4173, 0.4090



Tritanopia

40.5510, 0.4154, 0.3185

Trichromacy



Original Color

40.5718, 0.4596, 0.3757

Protanomaly

40.1888, 0.4082, 0.3967

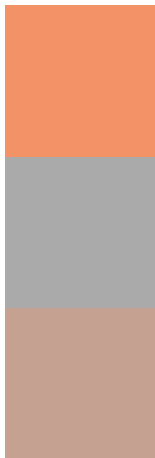
Deuteranomaly

40.3869, 0.4335, 0.3968

Tritanomaly

40.4519, 0.4322, 0.3391

Monochromacy



Original Color

40.5718, 0.4596, 0.3757

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.4044, 0.3633, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5718, 0.4596, 0.3757 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(243, 146, 102)` looks like.

```
.text, #text, p{  
    color:rgb(243, 146, 102)  
}
```

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(243, 146, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 146, 102) }
```

Border

The CSS property to change the border of an element to Yxy 40.5718, 0.4596, 0.3757 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(243, 146, 102) }
```

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

```
.border{ border-color:rgb(243, 146, 102) }
```

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

Here you see how a box with a 4 pixel rgb(243, 146, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 146, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 146, 102);  
box-shadow:4px 4px 4px 4px rgb(243, 146,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5718, 0.4596, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 146, 102) }
```

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

```
.background{ background-color: rgb(243,  
146, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor