

Converting Colors

$Y_{xy}(40.7494, 0.4768, 0.3993)$

Have a look what the booklet for
Yxy(40.7494, 0.4768, 0.3993)
contains.

Yxy(40.6216, 0.4771, 0.3986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6216, 0.4771, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	F2944F
RGB	242, 148, 79
RGB Percent	95%, 58%, 31%
CMY	0.0509, 0.4196, 0.6903
CMYK	0.00, 0.39, 0.67, 0.05
HSL	25°, 86%, 63%
HSV	25°, 67%, 95%
XYZ	48.6216, 40.6216, 12.6675
YIQ	168.2400, 78.1730, -1.5310

Conversions

Conversions Part 2

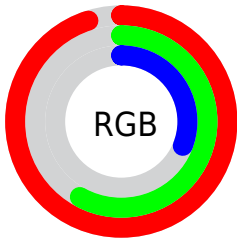
Format	Color
RYB	242, 199, 79
Decimal	15897679
CIELab	69.91, 29.58, 50.49
CIElCh	70, 58.514, 59.632
Yxy	40.6216, 0.4771, 0.3986
Android (android.graphics.Color)	4294087759 (0xFFFF2944F)
YUV	168.2400, -43.9953, 64.6875
Hunter-Lab	63.7351, 24.6359, 32.8305

Details

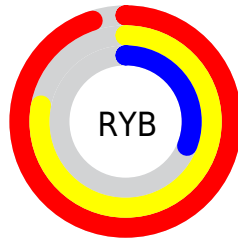
The Yxy color **40.6216, 0.4771, 0.3986** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **37.9494, 0.2115, 0.2347**, and the grayscale version is **39.4731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6106, 0.4093, 0.4027**, and **18.2733, 0.5198, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **36.2164, 0.5081, 0.4015**, and if you desaturate by 10%, it is **45.6870, 0.4458, 0.3917**.

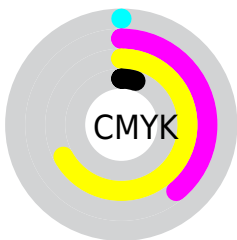
Distribution



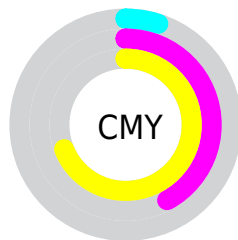
- Red (95%)
- Green (58%)
- Blue (31%)



- Red (95%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (67%)
- Black (5%)





- Cyan (5%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6216, 0.4771, 0.3986 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 40.6216, 0.4771, 0.3986 by changing the saturation by 10% instead.


 40.6216, 0.4771,
0.3986

 40.6216, 0.4771,
0.3986


348.7366, 0.3953,
0.3708

 28.0235, 0.4960,
0.4025


 76.1091, 0.4483,
0.3906

 18.3434, 0.5188,
0.4055


 99.7674, 0.4371,
0.3870


 11.1968, 0.5462,
0.4060


 127.8812, 0.4276,
0.3836

 6.1994, 0.5878,
0.4072

 160.8349, 0.4193,
0.3806

 2.9667, 0.6163,
0.3837

 199.0128, 0.4122,
0.3778

 1.1144, 0.6579,
0.3421

242.7995, 0.4059,

 0.0000, 1.0000,

0.3752

0.0000

292.5793, 0.4003,
0.3729

0.0000, 0.0000,
0.0000

40.6216, 0.4771,
0.3986

40.6216, 0.4771,
0.3986

36.2164, 0.5081,
0.4015

45.6870, 0.4458,
0.3917

32.4316, 0.5365,
0.3991

51.4364, 0.4159,
0.3821


29.2303, 0.5601,
0.3914

57.9000, 0.3886,
0.3711


28.4757, 0.5658,
0.3890

65.1038, 0.3643,
0.3594

73.0724, 0.3430,
0.3479

 81.8292, 0.3246,
0.3368

 91.3965, 0.3088,
0.3263

 97.6196, 0.3048,
0.3290

Harmonies

Analogous

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



40.6216, 0.4715, 0.3372



40.6216, 0.4771, 0.3986



40.6216, 0.4344, 0.4557

Triad

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



40.6216, 0.4771, 0.3986



40.6216, 0.2143, 0.3777



40.6216, 0.2466, 0.2070

Complementary

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



40.6216, 0.4771, 0.3986



37.9494, 0.2115, 0.2347

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.



40.6216, 0.1932, 0.2039



40.6216, 0.4771, 0.3986



40.6216, 0.1759, 0.2882

Square

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



40.6216, 0.4771, 0.3986



40.6216, 0.2821, 0.4607



40.6216, 0.1696, 0.2291



40.6216, 0.3262, 0.2339

Rectangle

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



40.6216, 0.4771, 0.3986



40.6216, 0.3886, 0.4816



40.6216, 0.1696, 0.2291



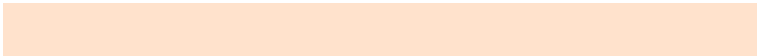
40.6216, 0.2255, 0.2031

Sweetspot

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



40.6237, 0.4771, 0.3986



79.7920, 0.3484, 0.3509



27.5250, 0.4005, 0.2342



16.5327, 0.3544, 0.3542



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.



40.6237, 0.4771, 0.3986



39.0594, 0.5195, 0.4012



75.1650, 0.4132, 0.4713



16.8590, 0.3283, 0.3390



15.5529, 0.5629, 0.3912



1.4868, 0.5396, 0.4097

Inverse Universe

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



37.9494, 0.2115, 0.2347



35.6960, 0.1969, 0.2117



15.8220, 0.1853, 0.1268



16.7424, 0.2980, 0.3188



13.7232, 0.1845, 0.1841



1.3383, 0.1903, 0.2050

Previews

White Background



This preview shows how the Yxy color 40.6216, 0.4771, 0.3986 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 40.6216, 0.4771, 0.3986 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 40.6216, 0.4771, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 40.6216, 0.4771, 0.3986.



This preview shows how white text looks on a background with the Yxy color 40.6216, 0.4771, 0.3986.

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

40.6216, 0.4771, 0.3986

Protanopia

40.6165, 0.4024, 0.4390

Deuteranopia

40.6994, 0.4392, 0.4305



Tritanopia

40.5510, 0.4154, 0.3185

Trichromacy



Original Color

40.6216, 0.4771, 0.3986

Protanomaly

40.2288, 0.4295, 0.4248

Deuteranomaly

40.6635, 0.4532, 0.4192

Tritanomaly

40.5126, 0.4413, 0.3498

Monochromacy



Original Color

40.6216, 0.4771, 0.3986

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.8694, 0.3701, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6216, 0.4771, 0.3986 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, 148, 79)` looks like.

```
.text, #text, p{  
    color:rgb(242, 148, 79)  
}
```

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, 148, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 148, 79) }
```

Border

The CSS property to change the border of an element to Yxy 40.6216, 0.4771, 0.3986 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, 148, 79) }
```

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

```
.border{ border-color:rgb(242, 148, 79) }
```

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

Here you see how a box with a 4 pixel rgb(242, 148, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 148, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 148, 79);  
box-shadow:4px 4px 4px 4px rgb(242, 148,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6216, 0.4771, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 148, 79) }
```

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

```
.background{ background-color: rgb(242,  
148, 79) }
```

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