

Converting Colors

$Y_{xy}(41.6896, 0.4504, 0.3626)$

Have a look what the booklet for
Yxy(41.6896, 0.4504, 0.3626)
contains.

Yxy(41.5697, 0.4506, 0.3620)	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(41.5697, 0.4506, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	F79273
RGB	247, 146, 115
RGB Percent	97%, 57%, 45%
CMY	0.0312, 0.4275, 0.5490
CMYK	0.00, 0.41, 0.53, 0.03
HSL	14°, 89%, 71%
HSV	14°, 53%, 97%
XYZ	51.7439, 41.5697, 21.5198
YIQ	172.6650, 70.1470, 11.7710

Conversions

Conversions Part 2

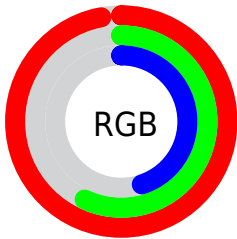
Format	Color
R_{YB}	247, 156, 115
Decimal	16224883
CIE _{Lab}	70.57, 35.11, 32.77
CIE _{LCh}	71, 48.021, 43.025
Yxy	41.5697, 0.4506, 0.3620
Android (android.graphics.Color)	4294414963 (0xFFFF79273)
YUV	172.6650, -28.4288, 65.1918
Hunter-Lab	64.4746, 30.4243, 25.3429

Details

The Yxy color **41.5697, 0.4506, 0.3620** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.5173, 0.2364, 0.2904**, and the grayscale version is **41.7310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8233, 0.3827, 0.3646**, and **18.9636, 0.4908, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **35.7223, 0.4897, 0.3657**, and if you desaturate by 10%, it is **48.5380, 0.4151, 0.3565**.

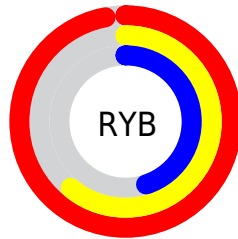
Distribution



Red (97%)

Green (57%)

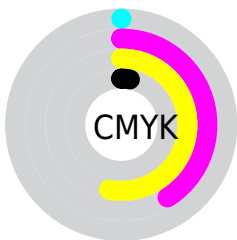
Blue (45%)



Red (97%)

Yellow (61%)

Blue (45%)

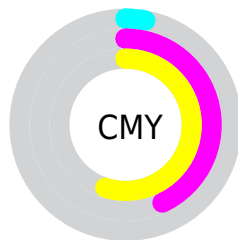


Cyan (0%)

Magenta (41%)

Yellow (53%)

Black (3%)



Cyan (3%)


Magenta (43%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5697, 0.4506, 0.3620 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 41.5697, 0.4506, 0.3620 by changing the saturation by 10% instead.

 41.5697, 0.4506,
0.3620


 41.5697, 0.4506,
0.3620

352.6961, 0.3802,
0.3494

 28.7645, 0.4681,
0.3637


 77.5480, 0.4250,
0.3585


 18.9027, 0.4902,
0.3648


 101.4898, 0.4153,
0.3568

 11.6000, 0.5190,
0.3647


 129.9127, 0.4072,
0.3553

 6.4719, 0.5570,
0.3614

 163.2010, 0.4002,
0.3539

 3.1341, 0.6210,
0.3574

201.7391, 0.3942,
0.3526

 1.2022, 0.6795,
0.3205

245.9113, 0.3890,

 0.0635, 0.9354,

0.3515

0.0646

296.1022, 0.3843,
0.3504

■ 0.0000, 0.0000,
0.0000

■ 41.5697, 0.4506,
0.3620

■ 41.5697, 0.4506,
0.3620

■ 35.7223, 0.4897,
0.3657

■ 48.5380, 0.4151,
0.3565

■ 30.9295, 0.5302,
0.3666

■ 56.6761, 0.3843,
0.3501

■ 27.1278, 0.5680,
0.3637


■ 66.0376, 0.3582,
0.3435

■ 24.2430, 0.5986,
0.3567

■ 76.6707, 0.3364,
0.3371

■ 22.8025, 0.6137,
0.3509

■ 88.6212, 0.3182,
0.3310

 98.5226, 0.3078,
0.3290

Harmonies

Analogous

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



41.5697, 0.4203, 0.3102



41.5697, 0.4506, 0.3620



41.5697, 0.4382, 0.4127

Triad

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



41.5697, 0.4506, 0.3620



41.5697, 0.2615, 0.4080



41.5697, 0.2300, 0.2221

Complementary

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



41.5697, 0.4506, 0.3620



59.5173, 0.2364, 0.2904

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.



41.5697, 0.1979, 0.2335



41.5697, 0.4506, 0.3620



41.5697, 0.2135, 0.3357

Square

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



41.5697, 0.4506, 0.3620



41.5697, 0.3267, 0.4528



41.5697, 0.1920, 0.2716



41.5697, 0.2862, 0.2339

Rectangle

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



41.5697, 0.4506, 0.3620



41.5697, 0.4099, 0.4402



41.5697, 0.1920, 0.2716



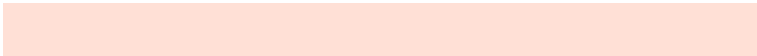
41.5697, 0.2164, 0.2231

Sweetspot

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



41.5718, 0.4506, 0.3620



79.3123, 0.3416, 0.3387



37.0173, 0.3488, 0.2268



16.4633, 0.3460, 0.3400



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.



41.5718, 0.4506, 0.3620



38.0144, 0.4924, 0.3659



68.0265, 0.4088, 0.4280



17.1132, 0.3288, 0.3346



12.2338, 0.6110, 0.3530



1.2267, 0.5872, 0.3719

Inverse Universe

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



59.5173, 0.2364, 0.2904



58.9692, 0.2251, 0.2813



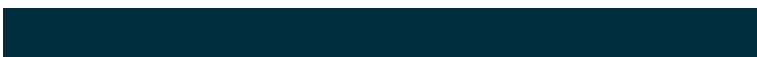
32.2476, 0.2183, 0.2022



18.0604, 0.2980, 0.3233



23.0446, 0.2032, 0.2514



2.1809, 0.2062, 0.2622

Previews

White Background



This preview shows how the Yxy color 41.5697, 0.4506, 0.3620 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 41.5697, 0.4506, 0.3620 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 41.5697, 0.4506, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 41.5697, 0.4506, 0.3620.



This preview shows how white text looks on a background with the Yxy color 41.5697, 0.4506, 0.3620.

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

41.5697, 0.4506, 0.3620

Protanopia

41.8326, 0.3656, 0.3926

Deuteranopia

41.4679, 0.4047, 0.3964



Tritanopia

41.6081, 0.4176, 0.3186

Trichromacy



Original Color

41.5697, 0.4506, 0.3620

Protanomaly

41.0094, 0.3957, 0.3807

Deuteranomaly

41.1532, 0.4219, 0.3835

Tritanomaly

41.6196, 0.4300, 0.3347

Monochromacy



Original Color

41.5697, 0.4506, 0.3620

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.7407, 0.3589, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5697, 0.4506, 0.3620 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(247, 146, 115)` looks like.

```
.text, #text, p{  
    color:rgb(247, 146, 115)  
}
```

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(247, 146, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 146, 115) }
```

Border

The CSS property to change the border of an element to Yxy 41.5697, 0.4506, 0.3620 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(247, 146, 115) }
```

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

```
.border{ border-color:rgb(247, 146, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 146, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 146, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 146, 115);  
box-shadow:4px 4px 4px 4px rgb(247, 146,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5697, 0.4506, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 146, 115) }
```

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

```
.background{ background-color: rgb(247,  
146, 115) }
```

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