

Converting Colors

$Y_{xy}(41.3238, 0.4637, 0.3409)$

Have a look what the booklet for
Yxy(41.3238, 0.4637, 0.3409)
contains.

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Color

Yxy(40.0180, 0.4565, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	FF877B
RGB	255, 135, 123
RGB Percent	100%, 53%, 48%
CMY	0.0000, 0.4705, 0.5175
CMYK	0.00, 0.47, 0.52, 0.00
HSL	5°, 100%, 74%
HSV	5°, 52%, 100%
XYZ	53.4784, 40.0180, 23.6523
YIQ	169.5120, 75.3720, 21.7080

Conversions

Conversions Part 2

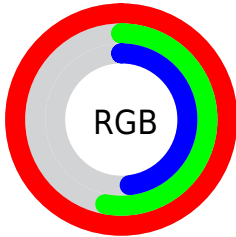
Format	Color
R_{YB}	255, 136, 123
Decimal	16746363
CIE _{Lab}	69.48, 44.32, 27.16
CIE _{LCh}	69, 51.978, 31.498
Yxy	40.0180, 0.4565, 0.3416
Android (android.graphics.Color)	4294936443 (0xFFFF877B)
YUV	169.5120, -22.9304, 74.9730
Hunter-Lab	63.2598, 40.1952, 22.1138

Details

The Yxy color **40.0180, 0.4565, 0.3416** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.5378, 0.2429, 0.3148**, and the grayscale version is **40.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2215, 0.3791, 0.3439**, and **17.9983, 0.4995, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **33.6817, 0.5008, 0.3429**, and if you desaturate by 10%, it is **47.9332, 0.4170, 0.3395**.

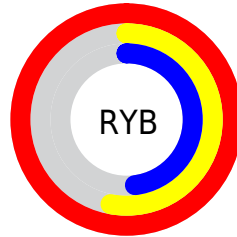
Distribution



Red (100%)

Green (53%)

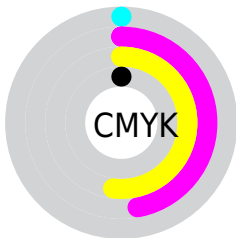
Blue (48%)



Red (100%)

Yellow (53%)

Blue (48%)

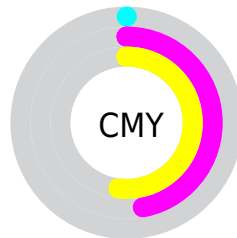


Cyan (0%)

Magenta (47%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0180, 0.4565, 0.3416 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 40.0180, 0.4565, 0.3416 by changing the saturation by 10% instead.


 40.0180, 0.4565,
0.3416


 40.0180, 0.4565,
0.3416


346.1994, 0.3824,
0.3391

 27.5526, 0.4752,
0.3409


 75.1909, 0.4293,
0.3417

 17.9887, 0.4992,
0.3391


 98.6672, 0.4191,
0.3414

 10.9418, 0.5307,
0.3353


 126.5826, 0.4106,
0.3411

 6.0277, 0.5732,
0.3272

159.3214, 0.4033,
0.3407

 2.8620, 0.6380,
0.3128

197.2681, 0.3970,
0.3403

 1.0601, 0.7243,
0.2757

240.8071, 0.3915,

 0.0000, 1.0000,

0.3399

0.0000

290.3227, 0.3867,
0.3395

■ 0.0000, 0.0000,
0.0000

■ 40.0180, 0.4565,
0.3416

■ 40.0180, 0.4565,
0.3416

■ 33.6817, 0.5008,
0.3429

■ 47.9332, 0.4170,
0.3395

■ 28.8124, 0.5468,
0.3428

■ 57.5168, 0.3836,
0.3369

■ 25.2937, 0.5886,
0.3410

■ 68.8591, 0.3560,
0.3343

■ 22.9885, 0.6196,
0.3375

■ 82.0420, 0.3336,
0.3318

■ 21.8777, 0.6347,
0.3342

■ 97.1424, 0.3155,
0.3294

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



40.0180, 0.4068, 0.2881



40.0180, 0.4565, 0.3416



40.0180, 0.4598, 0.3979

Triad

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



40.0180, 0.4565, 0.3416



40.0180, 0.2821, 0.4414



40.0180, 0.2064, 0.2148

Complementary

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



40.0180, 0.4565, 0.3416



75.5378, 0.2429, 0.3148

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.



40.0180, 0.1828, 0.2370



40.0180, 0.4565, 0.3416



40.0180, 0.2213, 0.3674

Square

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



40.0180, 0.4565, 0.3416



40.0180, 0.3550, 0.4700



40.0180, 0.1873, 0.2894



40.0180, 0.2573, 0.2187

Rectangle

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



40.0180, 0.4565, 0.3416



40.0180, 0.4374, 0.4325



40.0180, 0.1873, 0.2894



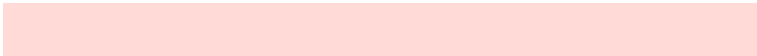
40.0180, 0.1955, 0.2191

Sweetspot

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



40.0201, 0.4565, 0.3416



76.2191, 0.3426, 0.3328



41.9621, 0.3284, 0.2131



15.7355, 0.3472, 0.3334



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.



40.0201, 0.4565, 0.3416



33.5466, 0.5020, 0.3429



64.0006, 0.4167, 0.4073



18.2521, 0.3292, 0.3312



11.5213, 0.6333, 0.3354



1.2073, 0.6196, 0.3462

Inverse Universe

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



75.5378, 0.2429, 0.3148



72.4543, 0.2336, 0.3116



43.2777, 0.2264, 0.2325



20.1826, 0.2980, 0.3268



33.9986, 0.2167, 0.3002



3.3894, 0.2177, 0.3038

Previews

White Background



This preview shows how the Yxy color 40.0180, 0.4565, 0.3416 looks on a white background.

Color Contrast Check

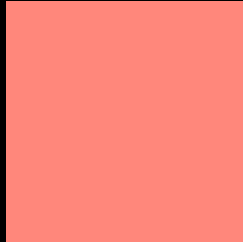
Large Text (above 18pt) WCAG AA × Fail

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 40.0180, 0.4565, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

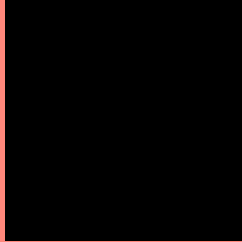
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0180, 0.4565, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 40.0180, 0.4565, 0.3416.



This preview shows how white text looks on a background with the Yxy color 40.0180, 0.4565, 0.3416.

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

40.0180, 0.4565, 0.3416

Protanopia

40.3168, 0.3493, 0.3720

Deuteranopia

40.1989, 0.3944, 0.3868



Tritanopia

39.9881, 0.4363, 0.3201

Trichromacy



Original Color

40.0180, 0.4565, 0.3416

Protanomaly

39.0728, 0.3869, 0.3597

Deuteranomaly

39.6681, 0.4172, 0.3686

Tritanomaly

40.0595, 0.4438, 0.3284

Monochromacy



Original Color

40.0180, 0.4565, 0.3416

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

38.8314, 0.3607, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0180, 0.4565, 0.3416 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(255, 135, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 123)  
}
```

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(255, 135, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 123) }
```

Border

The CSS property to change the border of an element to Yxy 40.0180, 0.4565, 0.3416 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(255, 135, 123) }
```

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

```
.border{ border-color:rgb(255, 135, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0180, 0.4565, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 123) }
```

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

```
.background{ background-color: rgb(255,  
135, 123) }
```

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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