

Converting Colors

$Y_{xy}(45.7273, 0.4475, 0.3642)$

Have a look what the booklet for
Yxy(45.7273, 0.4475, 0.3642)
contains.

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Color

Yxy(45.7273, 0.4475, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	FF9A78
RGB	255, 154, 120
RGB Percent	100%, 60%, 47%
CMY	0.0000, 0.3960, 0.5293
CMYK	0.00, 0.40, 0.53, 0.00
HSL	15°, 100%, 74%
HSV	15°, 53%, 100%
XYZ	56.1861, 45.7273, 23.6421
YIQ	180.3230, 71.1100, 10.8380

Conversions

Conversions Part 2

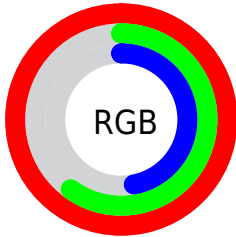
Format	Color
R_{YB}	255, 165, 120
Decimal	16751224
CIE Lab	73.37, 34.42, 33.87
CIE LCh	73, 48.294, 44.540
Yxy	45.7273, 0.4475, 0.3642
Android (android.graphics.Color)	4294941304 (0xFFFF9A78)
YUV	180.3230, -29.7392, 65.4917
Hunter-Lab	67.6220, 29.9745, 26.6063

Details

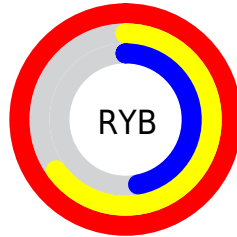
The Yxy color **45.7273, 0.4475, 0.3642** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.9355, 0.2363, 0.2879**, and the grayscale version is **45.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8781, 0.3753, 0.3664**, and **21.4270, 0.4836, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **39.3847, 0.4858, 0.3684**, and if you desaturate by 10%, it is **53.2404, 0.4128, 0.3582**.

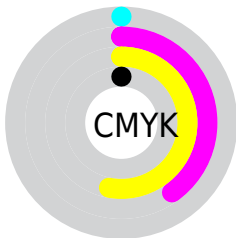
Distribution



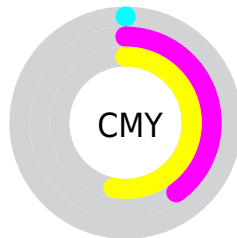
- Red (100%)
- Green (60%)
- Blue (47%)



- Red (100%)
- Yellow (65%)
- Blue (47%)



- Cyan (0%)
- Magenta (40%)
- Yellow (53%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7273, 0.4475, 0.3642 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 45.7273, 0.4475, 0.3642 by changing the saturation by 10% instead.


 45.7273, 0.4475,
0.3642


 45.7273, 0.4475,
0.3642


369.7112, 0.3798,
0.3506


 32.0307, 0.4640,
0.3662


 83.8107, 0.4231,
0.3603

 21.3849, 0.4847,
0.3678


 108.9663, 0.4139,
0.3585

 13.4057, 0.5114,
0.3685


 138.7104, 0.4060,
0.3569

 7.7085, 0.5463,
0.3666

173.4273, 0.3993,
0.3554

 3.9090, 0.5974,
0.3612

213.5014, 0.3934,
0.3541

 1.6228, 0.6617,
0.3383

259.3172, 0.3883,

 0.3729, 0.7697,

0.3528

0.2303

311.2590, 0.3838,
0.3517

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.7273, 0.4475,
0.3642

45.7273, 0.4475,
0.3642

39.3847, 0.4858,
0.3684

53.2404, 0.4128,
0.3582

34.1451, 0.5256,
0.3697

61.9730, 0.3825,
0.3513

29.9443, 0.5631,
0.3671

71.9797, 0.3569,
0.3442

26.7077, 0.5940,
0.3601

83.3097, 0.3353,
0.3373

■ 24.9487, 0.6104,
0.3535

■ 96.0094, 0.3174,
0.3308

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



45.7273, 0.4199, 0.3133



45.7273, 0.4475, 0.3642



45.7273, 0.4336, 0.4134

Triad

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



45.7273, 0.4475, 0.3642



45.7273, 0.2600, 0.4026



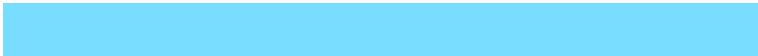
45.7273, 0.2342, 0.2245

Complementary

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



45.7273, 0.4475, 0.3642



62.9355, 0.2363, 0.2879

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.



45.7273, 0.2014, 0.2346



45.7273, 0.4475, 0.3642



45.7273, 0.2141, 0.3321

Square

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



45.7273, 0.4475, 0.3642



45.7273, 0.3232, 0.4482



45.7273, 0.1943, 0.2707



45.7273, 0.2902, 0.2371

Rectangle

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



45.7273, 0.4475, 0.3642



45.7273, 0.4052, 0.4393



45.7273, 0.1943, 0.2707



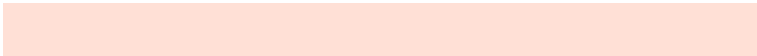
45.7273, 0.2205, 0.2252

Sweetspot

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



45.7296, 0.4475, 0.3642



79.6907, 0.3415, 0.3394



39.9325, 0.3507, 0.2294



16.5526, 0.3459, 0.3408



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.



45.7296, 0.4475, 0.3642



38.7738, 0.4901, 0.3687



74.4630, 0.4068, 0.4293



18.7300, 0.3288, 0.3351



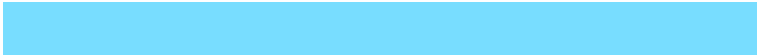
13.2351, 0.6077, 0.3557



1.4537, 0.5860, 0.3729

Inverse Universe

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



62.9355, 0.2363, 0.2879



57.5333, 0.2242, 0.2776



34.2496, 0.2185, 0.2005



19.6614, 0.2980, 0.3229



23.4473, 0.2014, 0.2451



2.4568, 0.2044, 0.2558

Previews

White Background



This preview shows how the Yxy color 45.7273, 0.4475, 0.3642 looks on a white background.

Color Contrast Check

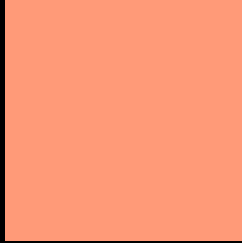
Large Text (above 18pt) WCAG AA × Fail

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 45.7273, 0.4475, 0.3642 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 45.7273, 0.4475, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 45.7273, 0.4475, 0.3642.



This preview shows how white text looks on a background with the Yxy color 45.7273, 0.4475, 0.3642.

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

45.7273, 0.4475, 0.3642

Protanopia

45.7505, 0.3663, 0.3928

Deuteranopia

45.8998, 0.4043, 0.3973



Tritanopia

45.6459, 0.4077, 0.3177

Trichromacy



Original Color

45.7273, 0.4475, 0.3642

Protanomaly

45.2571, 0.3948, 0.3825

Deuteranomaly

45.5457, 0.4208, 0.3849

Tritanomaly

45.4685, 0.4231, 0.3346

Monochromacy



Original Color

45.7273, 0.4475, 0.3642

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.8598, 0.3578, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7273, 0.4475, 0.3642 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, 154, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 120)  
}
```

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, 154, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 120) }
```

Border

The CSS property to change the border of an element to Yxy 45.7273, 0.4475, 0.3642 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, 154, 120) }
```

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

```
.border{ border-color:rgb(255, 154, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 154, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7273, 0.4475, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 120) }
```

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

```
.background{ background-color: rgb(255,  
154, 120) }
```

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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