

Converting Colors

$Y_{xy}(79.9895, 0.5367, 0.3537)$

Have a look what the booklet for
Yxy(79.9895, 0.5367, 0.3537)
contains.

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Color

Yxy(46.2292, 0.4528, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C71
RGB	255, 156, 113
RGB Percent	100%, 61%, 44%
CMY	0.0000, 0.3883, 0.5568
CMYK	0.00, 0.39, 0.56, 0.00
HSL	18°, 100%, 72%
HSV	18°, 56%, 100%
XYZ	56.1195, 46.2292, 21.5902
YIQ	180.6990, 72.8070, 7.6150

Conversions

Conversions Part 2

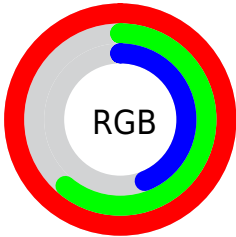
Format	Color
R _Y B	255, 175, 113
Decimal	16751729
CIE Lab	73.69, 32.85, 38.02
CIE LCh	74, 50.247, 49.170
Yxy	46.2292, 0.4528, 0.3730
Android (android.graphics.Color)	4294941809 (0xFFFF9C71)
YUV	180.6990, -33.3756, 65.1620
Hunter-Lab	67.9921, 28.3449, 28.7675

Details

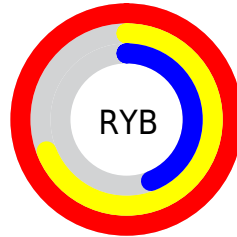
The Yxy color **46.2292, 0.4528, 0.3730** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.8296, 0.2311, 0.2761**, and the grayscale version is **46.1864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5651, 0.3807, 0.3766**, and **21.7401, 0.4897, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **40.1920, 0.4895, 0.3776**, and if you desaturate by 10%, it is **53.2921, 0.4188, 0.3661**.

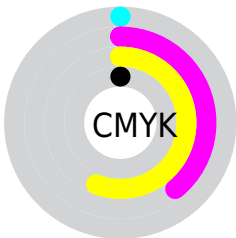
Distribution



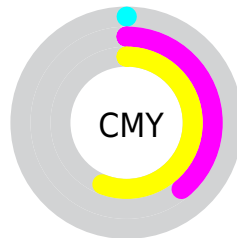
- Red (100%)
- Green (61%)
- Blue (44%)



- Red (100%)
- Yellow (69%)
- Blue (44%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2292, 0.4528, 0.3730 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 46.2292, 0.4528, 0.3730 by changing the saturation by 10% instead.

 46.2292, 0.4528,
0.3730


 46.2292, 0.4528,
0.3730

371.7293, 0.3829,
0.3556


 32.4267, 0.4696,
0.3756


 84.5619, 0.4278,
0.3679


 21.6876, 0.4905,
0.3780


 109.8609, 0.4182,
0.3656

 13.6276, 0.5171,
0.3794


 139.7609, 0.4101,
0.3636

 7.8621, 0.5512,
0.3780

 174.6463, 0.4031,
0.3617

 4.0068, 0.6054,
0.3760

214.9014, 0.3971,
0.3599

 1.6774, 0.6535,
0.3465

260.9107, 0.3918,

 0.4089, 0.7522,

0.3584

0.2478

313.0586, 0.3871,
0.3570

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.2292, 0.4528,
0.3730

46.2292, 0.4528,
0.3730

40.1920, 0.4895,
0.3776

53.2921, 0.4188,
0.3661

35.1426, 0.5268,
0.3788

61.4423, 0.3886,
0.3580

31.0196, 0.5611,
0.3753

70.7199, 0.3626,
0.3496

27.7590, 0.5889,
0.3671

81.1667, 0.3406,
0.3412

■ 26.5933, 0.5988,
0.3627

■ 92.8227, 0.3219,
0.3333

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.2292, 0.4310, 0.3204



46.2292, 0.4528, 0.3730



46.2292, 0.4320, 0.4227

Triad

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



46.2292, 0.4528, 0.3730



46.2292, 0.2492, 0.3949



46.2292, 0.2390, 0.2218

Complementary

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



46.2292, 0.4528, 0.3730



57.8296, 0.2311, 0.2761

Split Complementary

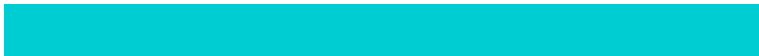
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2292, 0.2014, 0.2282



46.2292, 0.4528, 0.3730



46.2292, 0.2058, 0.3208

Square

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



46.2292, 0.4528, 0.3730



46.2292, 0.3126, 0.4487



46.2292, 0.1899, 0.2608



46.2292, 0.2998, 0.2381

Rectangle

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



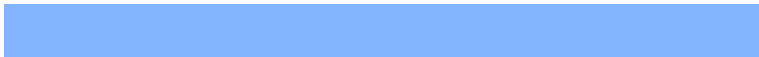
46.2292, 0.4528, 0.3730



46.2292, 0.3996, 0.4477



46.2292, 0.1899, 0.2608



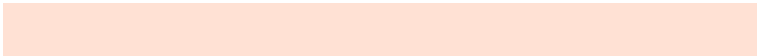
46.2292, 0.2236, 0.2213

Sweetspot

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



46.2246, 0.4528, 0.3730



79.7225, 0.3433, 0.3423



37.8460, 0.3610, 0.2312



16.6010, 0.3475, 0.3440



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.



46.2246, 0.4528, 0.3730



39.4719, 0.4945, 0.3780



77.1730, 0.4079, 0.4397



18.8834, 0.3287, 0.3363



14.1235, 0.5959, 0.3650



1.5574, 0.5738, 0.3826

Inverse Universe

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



57.8296, 0.2311, 0.2761



51.9597, 0.2185, 0.2631



29.9012, 0.2114, 0.1835



19.4987, 0.2980, 0.3216



20.6473, 0.1964, 0.2269



2.2027, 0.2000, 0.2399

Previews

White Background



This preview shows how the Yxy color 46.2292, 0.4528, 0.3730 looks on a white background.

Color Contrast Check

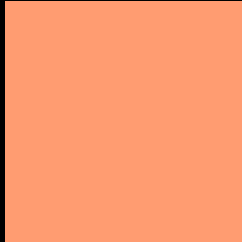
Large Text (above 18pt) WCAG AA × Fail

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 46.2292, 0.4528, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

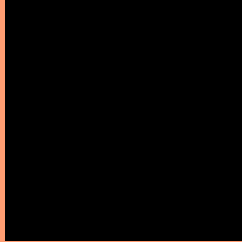
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2292, 0.4528, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 46.2292, 0.4528, 0.3730.



This preview shows how white text looks on a background with the Yxy color 46.2292, 0.4528, 0.3730.

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

46.2292, 0.4528, 0.3730

Protanopia

46.3481, 0.3754, 0.4034

Deuteranopia

46.2286, 0.4122, 0.4031



Tritanopia

46.3251, 0.4059, 0.3188

Trichromacy



Original Color

46.2292, 0.4528, 0.3730

Protanomaly

45.7424, 0.4032, 0.3925

Deuteranomaly

46.1088, 0.4273, 0.3918

Tritanomaly

46.0561, 0.4241, 0.3388

Monochromacy



Original Color

46.2292, 0.4528, 0.3730

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3152, 0.3602, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2292, 0.4528, 0.3730 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, 156, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 113)  
}
```

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, 156, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 113) }
```

Border

The CSS property to change the border of an element to Yxy 46.2292, 0.4528, 0.3730 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, 156, 113) }
```

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

```
.border{ border-color:rgb(255, 156, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2292, 0.4528, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 113) }
```

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

```
.background{ background-color: rgb(255,  
156, 113) }
```

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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