

Converting Colors

$Y_{xy}(46.0130, 0.4470, 0.3651)$

Have a look what the booklet for
Yxy(46.0130, 0.4470, 0.3651)
contains.

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Color

Yxy(46.0588, 0.4469, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	FF9B78
RGB	255, 155, 120
RGB Percent	100%, 61%, 47%
CMY	0.0000, 0.3921, 0.5295
CMYK	0.00, 0.39, 0.53, 0.00
HSL	16°, 100%, 74%
HSV	16°, 53%, 100%
XYZ	56.3473, 46.0588, 23.6787
YIQ	180.9100, 70.8350, 10.3150

Conversions

Conversions Part 2

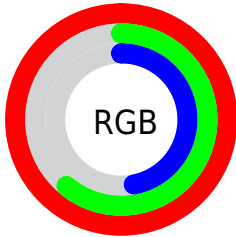
Format	Color
R _Y B	255, 167, 120
Decimal	16751480
CIE Lab	73.58, 33.89, 34.18
CIE LCh	74, 48.139, 45.243
Yxy	46.0588, 0.4469, 0.3653
Android (android.graphics.Color)	4294941560 (0xFFFF9B78)
YUV	180.9100, -30.0286, 64.9769
Hunter-Lab	67.8666, 29.4358, 26.8203

Details

The Yxy color **46.0588, 0.4469, 0.3653** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.3661, 0.2360, 0.2865**, and the grayscale version is **46.2944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3703, 0.3750, 0.3674**, and **21.6248, 0.4826, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **39.7211, 0.4849, 0.3697**, and if you desaturate by 10%, it is **53.5486, 0.4124, 0.3591**.

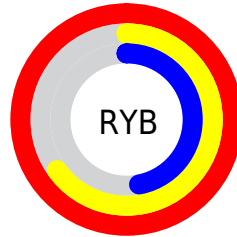
Distribution



Red (100%)

Green (61%)

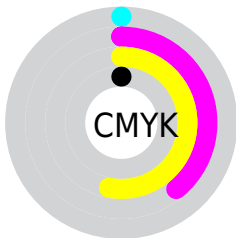
Blue (47%)



Red (100%)

Yellow (65%)

Blue (47%)

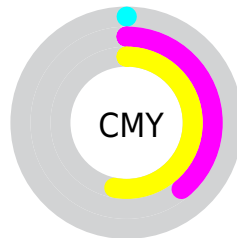


Cyan (0%)

Magenta (39%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (39%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0588, 0.4469, 0.3653 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 46.0588, 0.4469, 0.3653 by changing the saturation by 10% instead.


 46.0588, 0.4469,
0.3653

 46.0588, 0.4469,
0.3653


371.0450, 0.3796,
0.3512

 32.2922, 0.4633,
0.3674


 84.3070, 0.4227,
0.3612

 21.5848, 0.4838,
0.3692


 109.5574, 0.4135,
0.3594

 13.5521, 0.5102,
0.3701


 139.4045, 0.4057,
0.3577

 7.8098, 0.5447,
0.3685

174.2328, 0.3990,
0.3561

 3.9735, 0.5950,
0.3635

214.4266, 0.3932,
0.3547

 1.6588, 0.6584,
0.3416

260.3703, 0.3881,

 0.3967, 0.7604,

0.3534

0.2396

312.4483, 0.3836,
0.3523

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.0588, 0.4469,
0.3653

46.0588, 0.4469,
0.3653

39.7211, 0.4849,
0.3697

53.5486, 0.4124,
0.3591

34.4695, 0.5243,
0.3711

62.2379, 0.3824,
0.3520

30.2416, 0.5616,
0.3685

72.1799, 0.3568,
0.3447

26.9653, 0.5923,
0.3615

83.4225, 0.3353,
0.3376

■ 25.1766, 0.6088,
0.3548

■ 96.0111, 0.3174,
0.3309

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



46.0588, 0.4204, 0.3146



46.0588, 0.4469, 0.3653



46.0588, 0.4322, 0.4140

Triad

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



46.0588, 0.4469, 0.3653



46.0588, 0.2590, 0.4006



46.0588, 0.2357, 0.2251

Complementary

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



46.0588, 0.4469, 0.3653



62.3661, 0.2360, 0.2865

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.



46.0588, 0.2024, 0.2346



46.0588, 0.4469, 0.3653



46.0588, 0.2138, 0.3305

Square

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



46.0588, 0.4469, 0.3653



46.0588, 0.3217, 0.4469



46.0588, 0.1947, 0.2699



46.0588, 0.2919, 0.2381

Rectangle

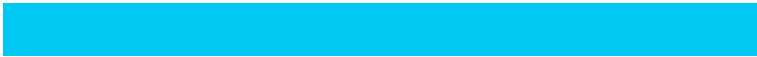
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



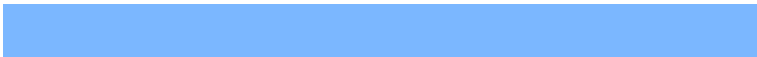
46.0588, 0.4469, 0.3653



46.0588, 0.4036, 0.4395



46.0588, 0.1947, 0.2699



46.0588, 0.2218, 0.2256

Sweetspot

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



46.0611, 0.4469, 0.3653



79.8625, 0.3415, 0.3397



39.9161, 0.3507, 0.2294



16.5931, 0.3458, 0.3412



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.



46.0611, 0.4469, 0.3653



39.1242, 0.4890, 0.3700



74.4502, 0.4068, 0.4293



18.7535, 0.3288, 0.3352



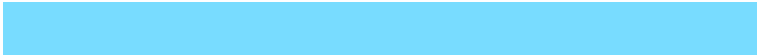
13.3596, 0.6060, 0.3570



1.4686, 0.5842, 0.3744

Inverse Universe

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



62.3661, 0.2360, 0.2865



56.8916, 0.2238, 0.2759



34.2299, 0.2184, 0.2004



19.6364, 0.2980, 0.3227



23.0019, 0.2007, 0.2423



2.4166, 0.2037, 0.2534

Previews

White Background



This preview shows how the Yxy color 46.0588, 0.4469, 0.3653 looks on a white background.

Color Contrast Check

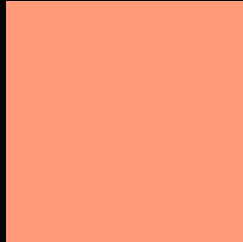
Large Text (above 18pt) WCAG AA × Fail

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 46.0588, 0.4469, 0.3653 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 46.0588, 0.4469, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 46.0588, 0.4469, 0.3653.



This preview shows how white text looks on a background with the Yxy color 46.0588, 0.4469, 0.3653.

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

46.0588, 0.4469, 0.3653

Protanopia

46.2885, 0.3669, 0.3938

Deuteranopia

46.0535, 0.4053, 0.3970



Tritanopia

46.0019, 0.4063, 0.3177

Trichromacy



Original Color

46.0588, 0.4469, 0.3653

Protanomaly

45.7891, 0.3952, 0.3834

Deuteranomaly

45.5457, 0.4208, 0.3849

Tritanomaly

45.8231, 0.4215, 0.3346

Monochromacy



Original Color

46.0588, 0.4469, 0.3653

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.4181, 0.3575, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0588, 0.4469, 0.3653 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, 155, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 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, 155, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 120) }
```

Border

The CSS property to change the border of an element to Yxy 46.0588, 0.4469, 0.3653 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, 155, 120) }
```

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

```
.border{ border-color:rgb(255, 155, 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, 155, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0588, 0.4469, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 120) }
```

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

```
.background{ background-color: rgb(255,  
155, 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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