

Converting Colors

Yxy(53.8469, 0.4496, 0.3640)

Have a look what the booklet for
Yxy(53.8469, 0.4496, 0.3640)
contains.

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Color

Yxy(49.7552, 0.4323, 0.3667)

Conversions

Conversions Part 1

Format	Color
Hex	FFA581
RGB	255, 165, 129
RGB Percent	100%, 65%, 51%
CMY	0.0000, 0.3529, 0.4942
CMYK	0.00, 0.35, 0.49, 0.00
HSL	17°, 100%, 75%
HSV	17°, 49%, 100%
XYZ	58.6560, 49.7552, 27.2724
YIQ	187.8060, 65.1960, 7.8840

Conversions

Conversions Part 2

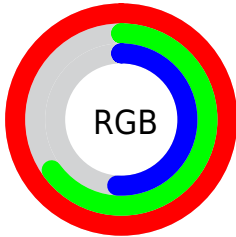
Format	Color
R _Y B	255, 179, 129
Decimal	16754049
CIE Lab	75.92, 29.49, 32.41
CIE LCh	76, 43.818, 47.700
Yxy	49.7552, 0.4323, 0.3667
Android (android.graphics.Color)	4294944129 (0xFFFFA581)
YUV	187.8060, -28.9914, 58.9291
Hunter-Lab	70.5374, 24.9931, 26.4524

Details

The Yxy color **49.7552, 0.4323, 0.3667** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **62.5308, 0.2395, 0.2857**, and the grayscale version is **50.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3503, 0.3651, 0.3690**, and **23.7550, 0.4651, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **43.0540, 0.4682, 0.3725**, and if you desaturate by 10%, it is **57.5658, 0.4001, 0.3594**.

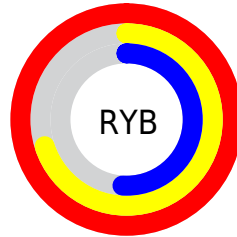
Distribution



Red (100%)

Green (65%)

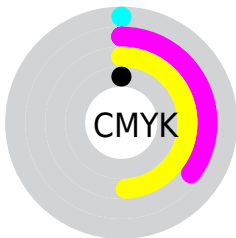
Blue (51%)



Red (100%)

Yellow (70%)

Blue (51%)

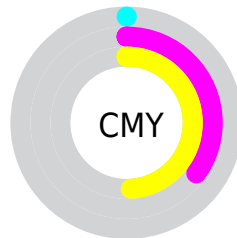


Cyan (0%)

Magenta (35%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7552, 0.4323, 0.3667 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 49.7552, 0.4323, 0.3667 by changing the saturation by 10% instead.


 49.7552, 0.4323,
0.3667


 49.7552, 0.4323,
0.3667


385.7079, 0.3730,
0.3513

 35.2189, 0.4466,
0.3694


 89.8121, 0.4110,
0.3619

 23.8316, 0.4646,
0.3721


 116.1014, 0.4030,
0.3599

 15.2087, 0.4876,
0.3746


 147.0773, 0.3961,
0.3581

 8.9660, 0.5179,
0.3759

183.1241, 0.3902,
0.3564

 4.7190, 0.5586,
0.3734

224.6261, 0.3850,
0.3549

 2.0834, 0.6299,
0.3701

271.9678, 0.3805,

 0.6552, 0.6885,

0.3536

0.3115

325.5336, 0.3765,
0.3524

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.7552, 0.4323,
0.3667

49.7552, 0.4323,
0.3667

43.0540, 0.4682,
0.3725

57.5658, 0.4001,
0.3594

37.4025, 0.5062,
0.3756

66.5268, 0.3723,
0.3515

32.7466, 0.5436,
0.3749

76.6861, 0.3485,
0.3435

29.0232, 0.5764,
0.3695

88.0867, 0.3286,
0.3358

■ 26.1558, 0.6015,
0.3601

99.9998, 0.3127,
0.3290

■ 26.0130, 0.6028,
0.3595

Harmonies

Analogous

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



49.7552, 0.4114, 0.3205



49.7552, 0.4323, 0.3667



49.7552, 0.4173, 0.4094

Triad

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



49.7552, 0.4323, 0.3667



49.7552, 0.2612, 0.3873



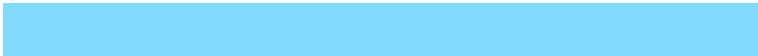
49.7552, 0.2472, 0.2356

Complementary

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



49.7552, 0.4323, 0.3667



62.5308, 0.2395, 0.2857

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.



49.7552, 0.2150, 0.2430



49.7552, 0.4323, 0.3667



49.7552, 0.2219, 0.3260

Square

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



49.7552, 0.4323, 0.3667



49.7552, 0.3168, 0.4305



49.7552, 0.2061, 0.2735



49.7552, 0.2993, 0.2488

Rectangle

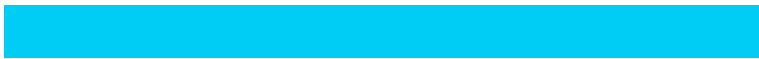
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



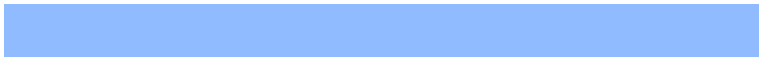
49.7552, 0.4323, 0.3667



49.7552, 0.3908, 0.4300



49.7552, 0.2061, 0.2735



49.7552, 0.2340, 0.2356

Sweetspot

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



49.7577, 0.4323, 0.3667



81.5712, 0.3393, 0.3400



42.0841, 0.3516, 0.2390



16.9545, 0.3436, 0.3417



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.



49.7577, 0.4323, 0.3667



43.3148, 0.4666, 0.3723



78.1628, 0.3981, 0.4270



18.8328, 0.3287, 0.3359



13.8111, 0.5999, 0.3618



1.5216, 0.5779, 0.3793

Inverse Universe

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



62.5308, 0.2395, 0.2857



57.2747, 0.2279, 0.2756



35.7568, 0.2240, 0.2052



19.5522, 0.2980, 0.3220



21.5413, 0.1980, 0.2329



2.2842, 0.2015, 0.2452

Previews

White Background



This preview shows how the Yxy color 49.7552, 0.4323, 0.3667 looks on a white background.

Color Contrast Check

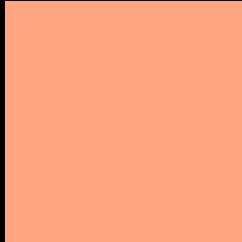
Large Text (above 18pt) WCAG AA × Fail

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 49.7552, 0.4323, 0.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

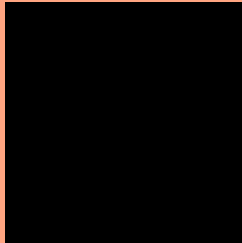
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7552, 0.4323, 0.3667

Background



This preview shows how black text looks on a background with the Yxy color 49.7552, 0.4323, 0.3667.

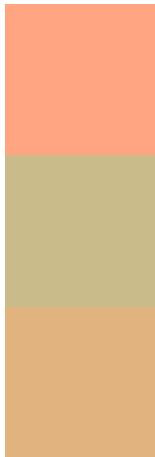


This preview shows how white text looks on a background with the Yxy color 49.7552, 0.4323, 0.3667.

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

49.7552, 0.4323, 0.3667

Protanopia

49.7931, 0.3644, 0.3907

Deuteranopia

49.7541, 0.4000, 0.3907



Tritanopia

49.7283, 0.3924, 0.3177

Trichromacy



Original Color

49.7552, 0.4323, 0.3667

Protanomaly

49.3616, 0.3886, 0.3813

Deuteranomaly

49.6373, 0.4119, 0.3817

Tritanomaly

49.5010, 0.4079, 0.3356

Monochromacy



Original Color

49.7552, 0.4323, 0.3667

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.4296, 0.3520, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7552, 0.4323, 0.3667 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, 165, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 129)  
}
```

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, 165, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 129) }
```

Border

The CSS property to change the border of an element to Yxy 49.7552, 0.4323, 0.3667 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, 165, 129) }
```

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

```
.border{ border-color:rgb(255, 165, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7552, 0.4323, 0.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 129) }
```

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

```
.background{ background-color: rgb(255,  
165, 129) }
```

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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