

Converting Colors

$Y_{xy}(49.9987, 0.4452, 0.4046)$

Have a look what the booklet for
Yxy(49.9987, 0.4452, 0.4046)
contains.

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Color

Yxy(49.9987, 0.4452, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	F6AC63
RGB	246, 172, 99
RGB Percent	96%, 67%, 39%
CMY	0.0352, 0.3255, 0.6117
CMYK	0.00, 0.30, 0.60, 0.04
HSL	30°, 89%, 68%
HSV	30°, 60%, 96%
XYZ	55.0159, 49.9987, 18.5611
YIQ	185.8040, 67.5370, -7.0150

Conversions

Conversions Part 2

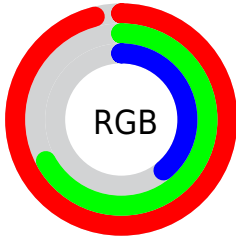
Format	Color
R _{YB}	246, 244, 99
Decimal	16165987
CIE Lab	76.07, 19.85, 47.84
CIE LCh	76, 51.798, 67.467
Yxy	49.9987, 0.4452, 0.4046
Android (android.graphics.Color)	4294356067 (0xFFFF6AC63)
YUV	185.8040, -42.7944, 52.7919
Hunter-Lab	70.7098, 15.1402, 33.9334

Details

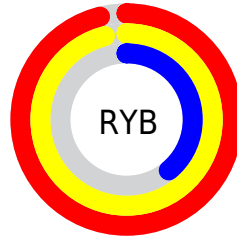
The Yxy color **49.9987, 0.4452, 0.4046** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.2125, 0.2177, 0.2323**, and the grayscale version is **49.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4652, 0.3838, 0.4049**, and **24.0938, 0.4768, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **45.1022, 0.4732, 0.4123**, and if you desaturate by 10%, it is **55.4831, 0.4177, 0.3938**.

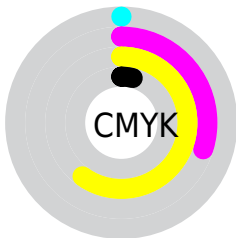
Distribution



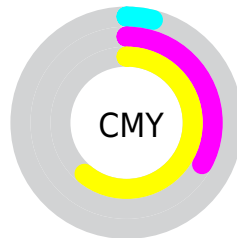
- Red (96%)
- Green (67%)
- Blue (39%)



- Red (96%)
- Yellow (96%)
- Blue (39%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (4%)




- Cyan (4%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9987, 0.4452, 0.4046 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 49.9987, 0.4452, 0.4046 by changing the saturation by 10% instead.


 49.9987, 0.4452,
0.4046

 49.9987, 0.4452,
0.4046


386.6609, 0.3812,
0.3721

 35.4124, 0.4597,
0.4106


 90.1730, 0.4229,
0.3943


 23.9807, 0.4773,
0.4171


 116.5297, 0.4142,
0.3899

 15.3193, 0.4987,
0.4233


 147.5786, 0.4067,
0.3861

 9.0438, 0.5245,
0.4280

 183.7042, 0.4002,
0.3827

 4.7698, 0.5648,
0.4352

225.2908, 0.3946,
0.3796

 2.1128, 0.5870,
0.4130

272.7229, 0.3896,

 0.6718, 0.6324,

0.3768

0.3676

326.3848, 0.3852,
0.3744

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.9987, 0.4452,
0.4046

49.9987, 0.4452,
0.4046

45.1022, 0.4732,
0.4123

55.4831, 0.4177,
0.3938

40.7607, 0.5001,
0.4155


61.5711, 0.3918,
0.3812


36.9482, 0.5240,
0.4134

68.2870, 0.3682,
0.3677

33.6255, 0.5439,
0.4062

75.6510, 0.3472,
0.3542

 33.5475, 0.5444,
0.4060

 83.6824, 0.3286,
0.3411

 92.3994, 0.3123,
0.3287

 98.3357, 0.3072,
0.3290

Harmonies

Analogous

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



49.9987, 0.4501, 0.3523



49.9987, 0.4452, 0.4046



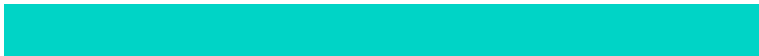
49.9987, 0.4031, 0.4464

Triad

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



49.9987, 0.4452, 0.4046



49.9987, 0.2192, 0.3496



49.9987, 0.2736, 0.2289

Complementary

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



49.9987, 0.4452, 0.4046



39.2125, 0.2177, 0.2323

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.



49.9987, 0.2210, 0.2210



49.9987, 0.4452, 0.4046



49.9987, 0.1924, 0.2810

Square

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



49.9987, 0.4452, 0.4046



49.9987, 0.2721, 0.4209



49.9987, 0.1933, 0.2373



49.9987, 0.3440, 0.2572

Rectangle

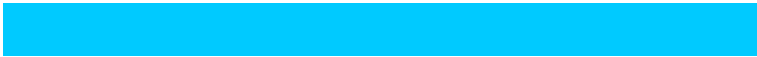
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.9987, 0.4452, 0.4046



49.9987, 0.3620, 0.4588



49.9987, 0.1933, 0.2373



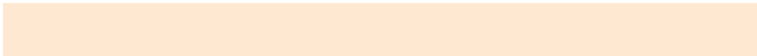
49.9987, 0.2535, 0.2238

Sweetspot

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



50.0012, 0.4452, 0.4046



83.5179, 0.3438, 0.3519



31.6181, 0.3990, 0.2513



17.3542, 0.3496, 0.3558



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.



50.0012, 0.4452, 0.4046



47.7539, 0.4798, 0.4135



84.9377, 0.3987, 0.4672



17.8415, 0.3281, 0.3408



18.1839, 0.5418, 0.4080



1.8036, 0.5224, 0.4234

Inverse Universe

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



39.2125, 0.2177, 0.2323



35.0731, 0.2012, 0.2080



18.7086, 0.1968, 0.1390



17.3059, 0.2980, 0.3169



11.5103, 0.1775, 0.1589



1.2173, 0.1837, 0.1814

Previews

White Background



This preview shows how the Yxy color 49.9987, 0.4452, 0.4046 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 49.9987, 0.4452, 0.4046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

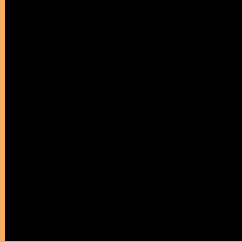
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9987, 0.4452, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 49.9987, 0.4452, 0.4046.



This preview shows how white text looks on a background with the Yxy color 49.9987, 0.4452, 0.4046.

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

49.9987, 0.4452, 0.4046

Protanopia

50.2518, 0.3949, 0.4290

Deuteranopia

50.0922, 0.4284, 0.4188



Tritanopia

49.9850, 0.3861, 0.3164

Trichromacy



Original Color

49.9987, 0.4452, 0.4046

Protanomaly

49.8073, 0.4129, 0.4197

Deuteranomaly

49.7654, 0.4342, 0.4130

Tritanomaly

49.7030, 0.4103, 0.3496

Monochromacy



Original Color

49.9987, 0.4452, 0.4046

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.7907, 0.3594, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9987, 0.4452, 0.4046 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(246, 172, 99)` looks like.

```
.text, #text, p{  
    color:rgb(246, 172, 99)  
}
```

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(246, 172, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 172, 99) }
```

Border

The CSS property to change the border of an element to Yxy 49.9987, 0.4452, 0.4046 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(246, 172, 99) }
```

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

```
.border{ border-color:rgb(246, 172, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 172, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 172, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 172, 99);  
box-shadow:4px 4px 4px 4px rgb(246, 172,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9987, 0.4452, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 172, 99) }
```

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

```
.background{ background-color: rgb(246,  
172, 99) }
```

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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