

Converting Colors

$Y_{xy}(47.6122, 0.4455, 0.3996)$

Have a look what the booklet for
Yxy(47.6122, 0.4455, 0.3996)
contains.

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Color

Yxy(47.6122, 0.4455, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	F3A764
RGB	243, 167, 100
RGB Percent	95%, 65%, 39%
CMY	0.0471, 0.3451, 0.6077
CMYK	0.00, 0.31, 0.59, 0.05
HSL	28°, 86%, 67%
HSV	28°, 59%, 95%
XYZ	53.0812, 47.6122, 18.4563
YIQ	182.0860, 66.8030, -4.7250

Conversions

Conversions Part 2

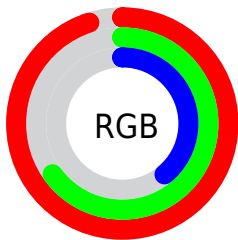
Format	Color
R _{YB}	243, 226, 100
Decimal	15968100
CIE Lab	74.58, 21.32, 45.49
CIE LCh	75, 50.236, 64.883
Yxy	47.6122, 0.4455, 0.3996
Android (android.graphics.Color)	4294158180 (0xFFFF3A764)
YUV	182.0860, -40.4684, 53.4216
Hunter-Lab	69.0016, 16.5627, 32.4425

Details

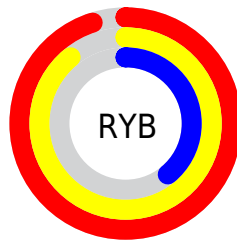
The Yxy color **47.6122, 0.4455, 0.3996** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.2400, 0.2203, 0.2398**, and the grayscale version is **47.0286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7696, 0.3858, 0.4003**, and **22.5590, 0.4789, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **42.7133, 0.4748, 0.4070**, and if you desaturate by 10%, it is **53.1288, 0.4171, 0.3893**.

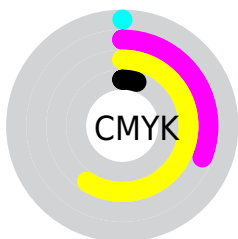
Distribution



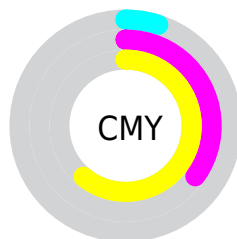
- Red (95%)
- Green (65%)
- Blue (39%)



- Red (95%)
- Yellow (89%)
- Blue (39%)



- Cyan (0%)
- Magenta (31%)
- Yellow (59%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6122, 0.4455, 0.3996 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 47.6122, 0.4455, 0.3996 by changing the saturation by 10% instead.


 47.6122, 0.4455,
0.3996

 47.6122, 0.4455,
0.3996


377.2529, 0.3805,
0.3692

 33.5199, 0.4605,
0.4052


 86.6267, 0.4226,
0.3899


 22.5250, 0.4789,
0.4112


 112.3177, 0.4138,
0.3859

 14.2432, 0.5015,
0.4169


 142.6437, 0.4062,
0.3823

 8.2900, 0.5291,
0.4207

 177.9892, 0.3997,
0.3791

 4.2811, 0.5730,
0.4270

218.7384, 0.3940,
0.3762

 1.8320, 0.5985,
0.4015

265.2759, 0.3890,

 0.5070, 0.6664,

0.3736

0.3336

317.9859, 0.3845,
0.3713

0.0000, 0.0000,
0.0000

47.6122, 0.4455,
0.3996

47.6122, 0.4455,
0.3996

42.7133, 0.4748,
0.4070

53.1288, 0.4171,
0.3893

38.3983, 0.5033,
0.4101

59.2805, 0.3906,
0.3772

34.6399, 0.5289,
0.4079

66.0925, 0.3667,
0.3644

31.4002, 0.5502,
0.4004

73.5864, 0.3456,
0.3517

31.0522, 0.5526,
0.3994

81.7826, 0.3270,
0.3393

■ 90.7004, 0.3110,
0.3277

■ 97.7939, 0.3054,
0.3290

Harmonies

Analogous

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



47.6122, 0.4466, 0.3477



47.6122, 0.4455, 0.3996



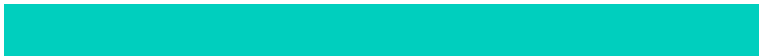
47.6122, 0.4067, 0.4422

Triad

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



47.6122, 0.4455, 0.3996



47.6122, 0.2241, 0.3558



47.6122, 0.2689, 0.2286

Complementary

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



47.6122, 0.4455, 0.3996



40.2400, 0.2203, 0.2398

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.



47.6122, 0.2188, 0.2228



47.6122, 0.4455, 0.3996



47.6122, 0.1950, 0.2868

Square

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



47.6122, 0.4455, 0.3996



47.6122, 0.2782, 0.4244



47.6122, 0.1936, 0.2411



47.6122, 0.3373, 0.2550

Rectangle

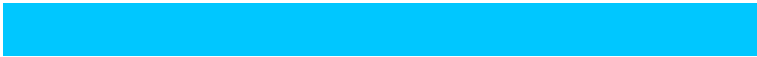
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.6122, 0.4455, 0.3996



47.6122, 0.3671, 0.4564



47.6122, 0.1936, 0.2411



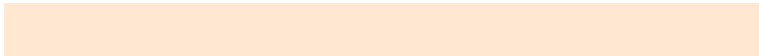
47.6122, 0.2496, 0.2242

Sweetspot

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



47.6146, 0.4455, 0.3996



82.7984, 0.3440, 0.3507



31.3197, 0.3939, 0.2498



17.1792, 0.3498, 0.3544



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.



47.6146, 0.4455, 0.3996



46.4705, 0.4816, 0.4082



81.2576, 0.3989, 0.4637



17.7625, 0.3282, 0.3401



17.3080, 0.5500, 0.4015



1.7250, 0.5294, 0.4178

Inverse Universe

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



40.2400, 0.2203, 0.2398



37.4914, 0.2042, 0.2170



19.2436, 0.1993, 0.1449



17.3852, 0.2980, 0.3176



12.4643, 0.1801, 0.1683



1.3012, 0.1861, 0.1899

Previews

White Background



This preview shows how the Yxy color 47.6122, 0.4455, 0.3996 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 47.6122, 0.4455, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

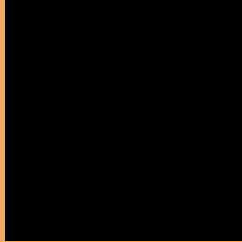
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6122, 0.4455, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 47.6122, 0.4455, 0.3996.



This preview shows how white text looks on a background with the Yxy color 47.6122, 0.4455, 0.3996.

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

47.6122, 0.4455, 0.3996

Protanopia

47.8781, 0.3919, 0.4255

Deuteranopia

47.5493, 0.4250, 0.4160



Tritanopia

47.6930, 0.3877, 0.3163

Trichromacy



Original Color

47.6122, 0.4455, 0.3996

Protanomaly

47.5920, 0.4110, 0.4159

Deuteranomaly

47.5617, 0.4328, 0.4094

Tritanomaly

47.4778, 0.4105, 0.3478

Monochromacy



Original Color

47.6122, 0.4455, 0.3996

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5486, 0.3586, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6122, 0.4455, 0.3996 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(243, 167, 100)` looks like.

```
.text, #text, p{  
    color:rgb(243, 167, 100)  
}
```

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(243, 167, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 167, 100) }
```

Border

The CSS property to change the border of an element to Yxy 47.6122, 0.4455, 0.3996 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(243, 167, 100) }
```

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

```
.border{ border-color:rgb(243, 167, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 167, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 167, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 167, 100);  
box-shadow:4px 4px 4px 4px rgb(243, 167,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6122, 0.4455, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 167, 100) }
```

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

```
.background{ background-color: rgb(243,  
167, 100) }
```

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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