

Converting Colors

$Y_{xy}(42.6366, 0.4633, 0.3646)$

Have a look what the booklet for
Yxy(42.6366, 0.4633, 0.3646)
contains.

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Color

Yxy(42.6366, 0.4633, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	FF916E
RGB	255, 145, 110
RGB Percent	100%, 57%, 43%
CMY	0.0000, 0.4313, 0.5686
CMYK	0.00, 0.43, 0.57, 0.00
HSL	14°, 100%, 72%
HSV	14°, 57%, 100%
XYZ	54.1787, 42.6366, 20.1255
YIQ	173.9000, 76.7950, 12.4350

Conversions

Conversions Part 2

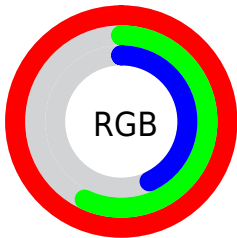
Format	Color
R _Y B	255, 156, 110
Decimal	16748910
CIE Lab	71.31, 38.25, 36.60
CIE LCh	71, 52.939, 43.743
Yxy	42.6366, 0.4633, 0.3646
Android (android.graphics.Color)	4294938990 (0xFFFF916E)
YUV	173.9000, -31.5027, 71.1247
Hunter-Lab	65.2967, 33.8376, 27.4336

Details

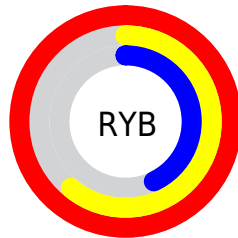
The Yxy color **42.6366, 0.4633, 0.3646** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **61.7130, 0.2322, 0.2862**, and the grayscale version is **42.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1772, 0.3871, 0.3688**, and **19.6350, 0.5055, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **36.7440, 0.5030, 0.3676**, and if you desaturate by 10%, it is **49.6998, 0.4266, 0.3594**.

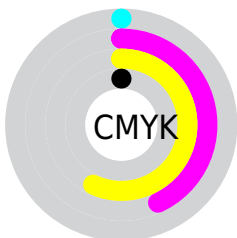
Distribution



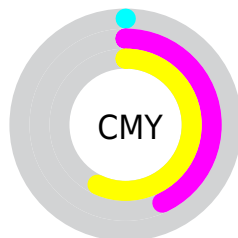
- Red (100%)
- Green (57%)
- Blue (43%)



- Red (100%)
- Yellow (61%)
- Blue (43%)



- Cyan (0%)
- Magenta (43%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (43%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6366, 0.4633, 0.3646 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 42.6366, 0.4633, 0.3646 by changing the saturation by 10% instead.


 42.6366, 0.4633,
0.3646


 42.6366, 0.4633,
0.3646

357.1151, 0.3871,
0.3517


 29.6001, 0.4819,
0.3660


 79.1622, 0.4358,
0.3612

 19.5352, 0.5053,
0.3666


 103.4201, 0.4253,
0.3596

 12.0577, 0.5351,
0.3656


 132.1872, 0.4165,
0.3580

 6.7830, 0.5738,
0.3605

 165.8479, 0.4089,
0.3565

 3.3267, 0.6426,
0.3564

204.7867, 0.4023,
0.3552

 1.3046, 0.6885,
0.3115

249.3879, 0.3966,

 0.1448, 0.8830,

0.3539

0.1170

300.0359, 0.3915,
0.3528

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.6366, 0.4633,
0.3646

42.6366, 0.4633,
0.3646

36.7440, 0.5030,
0.3676

49.6998, 0.4266,
0.3594

31.9501, 0.5428,
0.3673

57.9867, 0.3942,
0.3531

28.1854, 0.5785,
0.3629

67.5551, 0.3666,
0.3463

25.3675, 0.6057,
0.3546

78.4571, 0.3434,
0.3396

■ 24.6579, 0.6126,
0.3518

■ 90.7417, 0.3241,
0.3332

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



42.6366, 0.4316, 0.3092



42.6366, 0.4633, 0.3646



42.6366, 0.4477, 0.4195

Triad

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



42.6366, 0.4633, 0.3646



42.6366, 0.2549, 0.4144



42.6366, 0.2242, 0.2138

Complementary

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



42.6366, 0.4633, 0.3646



61.7130, 0.2322, 0.2862

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.



42.6366, 0.1894, 0.2248



42.6366, 0.4633, 0.3646



42.6366, 0.2041, 0.3337

Square

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



42.6366, 0.4633, 0.3646



42.6366, 0.3251, 0.4649



42.6366, 0.1823, 0.2645



42.6366, 0.2852, 0.2271

Rectangle

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



42.6366, 0.4633, 0.3646



42.6366, 0.4160, 0.4500



42.6366, 0.1823, 0.2645



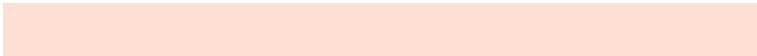
42.6366, 0.2096, 0.2145

Sweetspot

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



42.6388, 0.4633, 0.3646



78.3007, 0.3437, 0.3397



37.6400, 0.3520, 0.2212



16.2681, 0.3480, 0.3410



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.



42.6388, 0.4633, 0.3646



36.1457, 0.5076, 0.3678



71.6658, 0.4155, 0.4335



18.6991, 0.3288, 0.3348



13.0768, 0.6099, 0.3539



1.4345, 0.5883, 0.3710

Inverse Universe

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



61.7130, 0.2322, 0.2862



56.6503, 0.2209, 0.2762



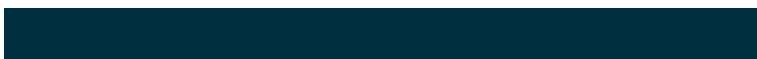
31.9238, 0.2119, 0.1923



19.6944, 0.2980, 0.3231



24.0451, 0.2024, 0.2488



2.5105, 0.2053, 0.2590

Previews

White Background



This preview shows how the Yxy color 42.6366, 0.4633, 0.3646 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 42.6366, 0.4633, 0.3646 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 42.6366, 0.4633, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 42.6366, 0.4633, 0.3646.



This preview shows how white text looks on a background with the Yxy color 42.6366, 0.4633, 0.3646.

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

42.6366, 0.4633, 0.3646

Protanopia

42.8839, 0.3712, 0.3997

Deuteranopia

42.6751, 0.4117, 0.4033



Tritanopia

42.5441, 0.4224, 0.3189

Trichromacy



Original Color

42.6366, 0.4633, 0.3646

Protanomaly

42.0051, 0.4038, 0.3857

Deuteranomaly

42.3518, 0.4316, 0.3885

Tritanomaly

42.3836, 0.4383, 0.3356

Monochromacy



Original Color

42.6366, 0.4633, 0.3646

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.1253, 0.3628, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6366, 0.4633, 0.3646 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, 145, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 110)  
}
```

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, 145, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 110) }
```

Border

The CSS property to change the border of an element to Yxy 42.6366, 0.4633, 0.3646 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, 145, 110) }
```

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

```
.border{ border-color:rgb(255, 145, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6366, 0.4633, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 110) }
```

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

```
.background{ background-color: rgb(255,  
145, 110) }
```

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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