

Converting Colors

Yxy(51.8272, 0.4238, 0.3632)

Have a look what the booklet for
Yxy(51.8272, 0.4238, 0.3632)
contains.

Yxy(51.4421, 0.4227, 0.3627)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.4421, 0.4227, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	FFA989
RGB	255, 169, 137
RGB Percent	100%, 66%, 54%
CMY	0.0000, 0.3373, 0.4627
CMYK	0.00, 0.34, 0.46, 0.00
HSL	16°, 100%, 77%
HSV	16°, 46%, 100%
XYZ	59.9520, 51.4421, 30.4369
YIQ	191.0660, 61.5280, 8.2800

Conversions

Conversions Part 2

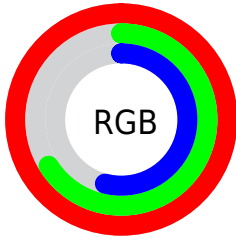
Format	Color
R _Y B	255, 181, 137
Decimal	16755081
CIE Lab	76.95, 28.17, 29.48
CIE LCh	77, 40.779, 46.299
Yxy	51.4421, 0.4227, 0.3627
Android (android.graphics.Color)	4294945161 (0xFFFFA989)
YUV	191.0660, -26.6545, 56.0701
Hunter-Lab	71.7231, 23.6891, 25.0455

Details

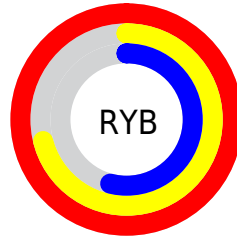
The Yxy color **51.4421, 0.4227, 0.3627** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.3204, 0.2440, 0.2911**, and the grayscale version is **52.2674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8720, 0.3577, 0.3637**, and **24.7810, 0.4518, 0.3674** is the 20% darker color. If you saturate the color by 10%, you get **44.3606, 0.4580, 0.3687**, and if you desaturate by 10%, it is **59.6730, 0.3914, 0.3555**.

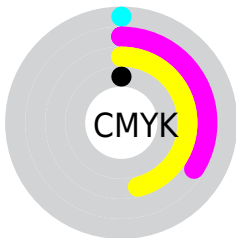
Distribution



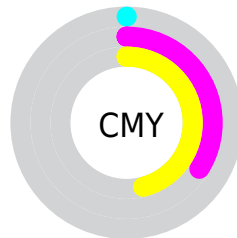
- Red (100%)
- Green (66%)
- Blue (54%)



- Red (100%)
- Yellow (71%)
- Blue (54%)



- Cyan (0%)
- Magenta (34%)
- Yellow (46%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4421, 0.4227, 0.3627 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 51.4421, 0.4227, 0.3627 by changing the saturation by 10% instead.

 51.4421, 0.4227,
0.3627


 51.4421, 0.4227,
0.3627


392.2790, 0.3683,
0.3488


 36.5606, 0.4358,
0.3652

 92.3079, 0.4032,
0.3583

 24.8674, 0.4523,
0.3679

 119.0610, 0.3958,
0.3565

 15.9783, 0.4736,
0.3705


 150.5401, 0.3895,
0.3549

 9.5088, 0.5018,
0.3723

187.1296, 0.3841,
0.3534

 5.0745, 0.5402,
0.3716

229.2138, 0.3794,
0.3520

 2.2911, 0.6206,
0.3794

277.1772, 0.3752,

 0.7690, 0.6699,

0.3508

0.3301

331.4041, 0.3716,
0.3498

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.4421, 0.4227,
0.3627

51.4421, 0.4227,
0.3627

44.3606, 0.4580,
0.3687

59.6730, 0.3914,
0.3555

38.3847, 0.4963,
0.3725

69.1132, 0.3646,
0.3479

33.4531, 0.5350,
0.3728

79.8063, 0.3420,
0.3404

29.5015, 0.5701,
0.3688

91.7968, 0.3230,
0.3332

■ 26.4573, 0.5978,
0.3604

100.0000, 0.3127,
0.3290

■ 25.5320, 0.6062,
0.3568

Harmonies

Analogous

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



51.4421, 0.4018, 0.3196



51.4421, 0.4227, 0.3627



51.4421, 0.4108, 0.4024

Triad

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



51.4421, 0.4227, 0.3627



51.4421, 0.2676, 0.3848



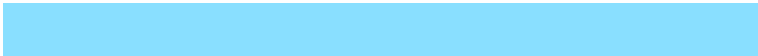
51.4421, 0.2503, 0.2420

Complementary

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



51.4421, 0.4227, 0.3627



65.3204, 0.2440, 0.2911

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.



51.4421, 0.2211, 0.2503



51.4421, 0.4227, 0.3627



51.4421, 0.2299, 0.3292

Square

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



51.4421, 0.4227, 0.3627



51.4421, 0.3195, 0.4228



51.4421, 0.2139, 0.2800



51.4421, 0.2980, 0.2534

Rectangle

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



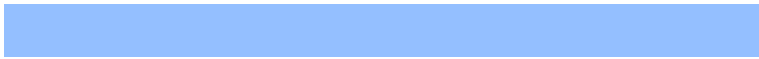
51.4421, 0.4227, 0.3627



51.4421, 0.3873, 0.4214



51.4421, 0.2139, 0.2800



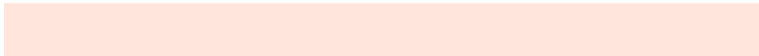
51.4421, 0.2383, 0.2425

Sweetspot

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



51.4388, 0.4227, 0.3627



82.4167, 0.3374, 0.3387



44.5087, 0.3464, 0.2425



17.1099, 0.3417, 0.3403



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.



51.4388, 0.4227, 0.3627



44.5392, 0.4570, 0.3686



78.2604, 0.3933, 0.4196



18.7881, 0.3288, 0.3355



13.5511, 0.6034, 0.3591



1.4913, 0.5814, 0.3765

Inverse Universe

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



65.3204, 0.2440, 0.2911



59.9374, 0.2320, 0.2815



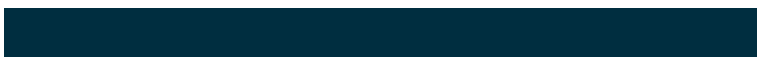
39.2816, 0.2306, 0.2170



19.5995, 0.2980, 0.3224



22.3550, 0.1995, 0.2382



2.3581, 0.2027, 0.2498

Previews

White Background



This preview shows how the Yxy color 51.4421, 0.4227, 0.3627 looks on a white background.

Color Contrast Check

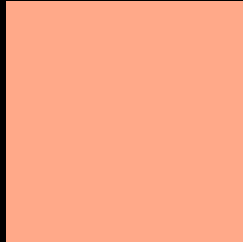
Large Text (above 18pt) WCAG AA × Fail

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 51.4421, 0.4227, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

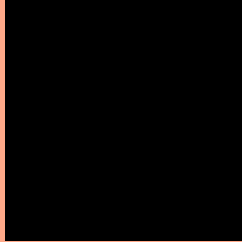
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4421, 0.4227, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 51.4421, 0.4227, 0.3627.



This preview shows how white text looks on a background with the Yxy color 51.4421, 0.4227, 0.3627.

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

51.4421, 0.4227, 0.3627

Protanopia

51.5987, 0.3587, 0.3838

Deuteranopia

51.3459, 0.3926, 0.3848



Tritanopia

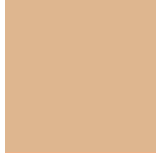
51.3446, 0.3862, 0.3166

Trichromacy



Original Color

51.4421, 0.4227, 0.3627



Protanomaly

50.9687, 0.3813, 0.3751



Deuteranomaly

51.1981, 0.4042, 0.3761



Tritanomaly

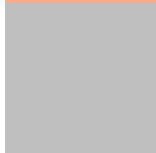
51.1411, 0.4004, 0.3335

Monochromacy



Original Color

51.4421, 0.4227, 0.3627



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

51.1034, 0.3496, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4421, 0.4227, 0.3627 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, 169, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 137)  
}
```

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, 169, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 137) }
```

Border

The CSS property to change the border of an element to Yxy 51.4421, 0.4227, 0.3627 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, 169, 137) }
```

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

```
.border{ border-color:rgb(255, 169, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 169, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 169, 137); box-shadow:4px 4px 4px 4px rgb(255, 169, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4421, 0.4227, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 137) }
```

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

```
.background{ background-color: rgb(255,  
169, 137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor