

# Converting Colors

XYZ(61.0842, 52.5705, 31.2189)

Have a look what the booklet for  
XYZ(61.0842, 52.5705, 31.2189)  
contains.

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# Color

**XYZ(60.4631, 52.2499,  
31.3246)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFAB8B                    |
| RGB         | 255, 171, 139             |
| RGB Percent | 100%, 67%, 55%            |
| CMY         | 0.0000, 0.3294, 0.4549    |
| CMYK        | 0.00, 0.33, 0.45, 0.00    |
| HSL         | 17°, 100%, 77%            |
| HSV         | 17°, 45%, 100%            |
| XYZ         | 60.4631, 52.2499, 31.3246 |
| YIQ         | 192.4680, 60.3360, 7.8560 |

# Conversions

## Conversions Part 2

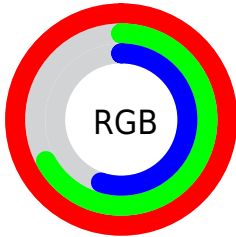
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 183, 139                  |
| Decimal                             | 16755595                       |
| CIE Lab                             | 77.43, 27.30, 29.06            |
| CIE LCh                             | 77, 39.872, 46.782             |
| Yxy                                 | 52.2499, 0.4198,<br>0.3628     |
| Android<br>(android.graphics.Color) | 4294945675<br>(0xFFFFAB8B)     |
| YUV                                 | 192.4680, -26.3597,<br>54.8406 |
| Hunter-Lab                          | 72.2841, 22.8118,<br>24.9053   |

# Details

The XYZ color **60.4631, 52.2499, 31.3246** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.0839, 65.4815, 104.3434**, and the grayscale version is **50.5025, 53.1326, 57.8614**.

A 20% lighter version of the original color is **78.3347, 80.0484, 61.7743**, and **30.7873, 25.2802, 12.7081** is the 20% darker color. If you saturate the color by 10%, you get **55.5654, 45.0966, 21.5471**, and if you desaturate by 10%, it is **66.2852, 60.5566, 43.5549**.

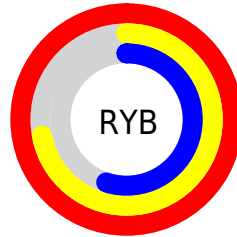
# Distribution



Red (100%)

Green (67%)

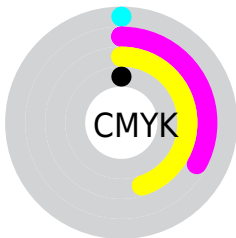
Blue (55%)



Red (100%)

Yellow (72%)

Blue (55%)

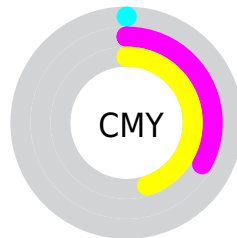


Cyan (0%)

Magenta (33%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4631, 52.2499, 31.3246 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 XYZ color 60.4631, 52.2499, 31.3246 by changing the saturation by 10% instead.




 60.4631, 52.2499,  
31.3246

 60.4631, 52.2499,  
31.3246


416.1101,  
395.4006, 322.4284


 44.0429, 37.2043,  
20.5856

 104.6037, 93.4997,  
62.8363

 30.9023, 25.3657,  
12.6332


 133.0548,  
120.4727, 84.4461

 20.6759, 16.3497,  
7.0487


 166.2469,  
152.1902, 110.5166

 12.9984, 9.7720,  
3.4137

204.5454,  
189.0368, 141.4664

 7.5045, 5.2480,  
1.3095

248.3156,  
231.3967, 177.7138

 3.8287, 2.3935,  
0.0696

297.9229,

 1.6057, 0.8225,

279.6544, 219.6777

0.0000

353.7326,  
334.1942, 267.7763

■ 0.3961, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4631, 52.2499,  
31.3246

■ 60.4631, 52.2499,  
31.3246

■ 55.5654, 45.0966,  
21.5471

■ 66.2852, 60.5566,  
43.5549

■ 51.5373, 39.0364,  
14.0513

■ 73.0744, 70.0579,  
58.3871

■ 48.3242, 34.0153,  
8.6486

■ 80.8753, 80.8023,  
75.9622

■ 45.8624, 29.9707,  
5.1181

■ 89.7285, 92.8333,  
96.4096

■ 44.0766, 26.8320, 95.0499, 99.9999,  
3.1881 108.9000

■ 43.4525, 25.6851,  
2.6675

# Harmonies

## Analogous

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



65.1653, 52.2499, 45.5449



60.4631, 52.2499, 31.3246



53.1117, 52.2499, 24.8795

# Triad

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



60.4631, 52.2499, 31.3246



36.6417, 52.2499, 47.7681



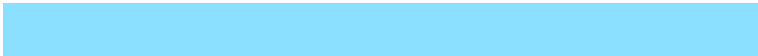
54.0438, 52.2499, 107.6783

# Complementary

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



60.4631, 52.2499, 31.3246



55.0839, 65.4815, 104.3434

# 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.



46.3649, 52.2499, 108.7221



60.4631, 52.2499, 31.3246



36.8360, 52.2499, 69.9810

# Square

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



60.4631, 52.2499, 31.3246



39.6694, 52.2499, 32.5893



40.2304, 52.2499, 93.5641



61.2058, 52.2499, 90.9995



# Rectangle

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



60.4631, 52.2499, 31.3246



47.9403, 52.2499, 24.4080



40.2304, 52.2499, 93.5641



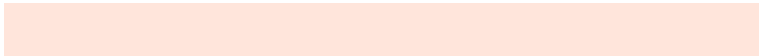
51.4243, 52.2499, 109.9954

# Sweetspot

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



60.4644, 52.2525, 31.3256



82.1266, 82.5120, 78.8230



63.9364, 45.1111, 75.9061



17.1922, 17.1329, 15.9889



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.4644, 52.2525, 31.3256



55.7846, 45.4210, 21.9713



73.6253, 78.5743, 35.7126



18.4172, 18.8026, 18.8029



22.8113, 13.6339, 1.4293

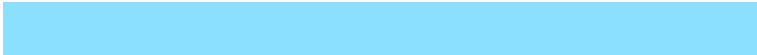


2.3078, 1.5010, 0.1681



# Inverse Universe

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



55.0839, 65.4815, 104.3434



49.7211, 60.1152, 103.5906



42.3462, 40.0062, 100.0976



18.1063, 19.5841, 23.0758



18.5893, 22.0881, 52.7183



1.9016, 2.3339, 5.1635



# Previews

## White Background



This preview shows how the XYZ color 60.4631, 52.2499, 31.3246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

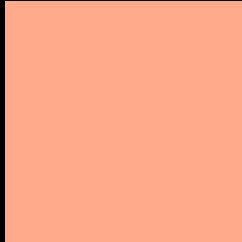
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4631, 52.2499, 31.3246 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](#).

**XYZ 60.4631, 52.2499, 31.3246**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4631, 52.2499, 31.3246.



This preview shows how white text looks on a background with the XYZ color 60.4631, 52.2499,



# 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

60.4631, 52.2499, 31.3246

### Protanopia

49.1529, 52.3789, 35.5365

### Deuteranopia

53.6508, 52.5811, 30.9884



## Tritanopia

63.1954, 52.1521, 49.3834

# Trichromacy



## Original Color

60.4631, 52.2499, 31.3246

## Protanomaly

52.6827, 52.0133, 34.0510

## Deuteranomaly

55.9674, 52.2523, 31.1807

## Tritanomaly

61.9435, 51.9456, 41.8837

# Monochromacy



## Original Color

60.4631, 52.2499, 31.3246

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

52.7076, 51.7452, 46.7450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4631, 52.2499, 31.3246 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, 171, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 139)  
}
```

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, 171, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4631, 52.2499, 31.3246 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, 171, 139) }
```



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

```
.border{ border-color:rgb(255, 171, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 171, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 171, 139); box-shadow:4px 4px 4px 4px rgb(255, 171, 139) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4631, 52.2499, 31.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 139) }
```

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

```
.background{ background-color: rgb(255,  
171, 139) }
```

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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