

# Converting Colors

XYZ(66.6428, 61.9317, 40.8993)

Have a look what the booklet for  
XYZ(66.6428, 61.9317, 40.8993)  
contains.

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# Color

**XYZ(66.4815, 61.8686,  
40.7856)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">FFC19E</a>
RGB	<a href="#">255, 193, 158</a>
RGB Percent	<a href="#">100%, 76%, 62%</a>
CMY	<a href="#">0.0000, 0.2431, 0.3804</a>
CMYK	<a href="#">0.00, 0.24, 0.38, 0.00</a>
HSL	<a href="#">22°, 100%, 81%</a>
HSV	<a href="#">22°, 38%, 100%</a>
XYZ	<a href="#">66.4815, 61.8686, 40.7856</a>
YIQ	<a href="#">207.5480, 48.1870, 2.2590</a>

# Conversions

## Conversions Part 2

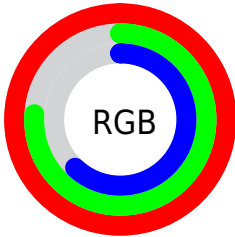
Format	Color
R <sub>Y</sub> B	255, 213, 158
Decimal	16761246
CIE Lab	82.84, 17.79, 26.25
CIE LCh	83, 31.708, 55.875
Yxy	61.8686, 0.3931, 0.3658
Android (android.graphics.Color)	4294951326 (0xFFFFC19E)
YUV	207.5480, -24.4272, 41.6154
Hunter-Lab	78.6566, 13.2213, 24.3161

# Details

The XYZ color **66.4815, 61.8686, 40.7856** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.7426, 65.6729, 104.2404**, and the grayscale version is **59.7942, 62.9082, 68.5070**.

A 20% lighter version of the original color is **87.4358, 94.4353, 76.5703**, and **34.5991, 31.2416, 17.8423** is the 20% darker color. If you saturate the color by 10%, you get **61.1040, 54.2692, 29.2647**, and if you desaturate by 10%, it is **72.7147, 70.4501, 54.8397**.

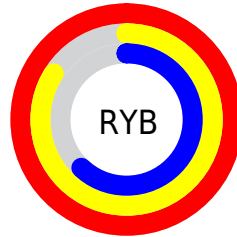
# Distribution



Red (100%)

Green (76%)

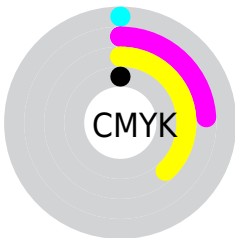
Blue (62%)



Red (100%)

Yellow (84%)

Blue (62%)

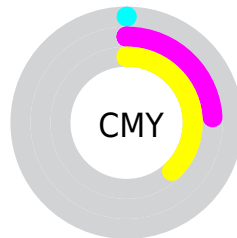


Cyan (0%)

Magenta (24%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4815, 61.8686, 40.7856 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 66.4815, 61.8686, 40.7856 by changing the saturation by 10% instead.





 66.4815, 61.8686,  
40.7856


 66.4815, 61.8686,  
40.7856


437.5585,  
431.4516, 365.0738

 48.9325, 44.9265,  
27.8332


 113.2310,  
107.5356, 77.6085

 34.7803, 31.3996,  
17.9620


 143.1623,  
137.0293, 102.3159

 23.6594, 20.9033,  
10.7535


177.9517,  
171.4757, 131.7789

 15.2045, 13.0533,  
5.7893

217.9647,  
211.2592, 166.4157

 9.0503, 7.4653,  
2.6507

263.5664,  
256.7641, 206.6451

 4.8314, 3.7547,  
0.9184

315.1224,

 2.1824, 1.5373,

308.3749, 252.8856

0.0000

372.9980,  
366.4759, 305.5556

■ 0.7334, 0.3148,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.4815, 61.8686,  
40.7856

■ 66.4815, 61.8686,  
40.7856

■ 61.1040, 54.2692,  
29.2647

■ 72.7147, 70.4501,  
54.8397

■ 56.5362, 47.6062,  
20.1195

■ 79.8369, 80.0398,  
71.5640

■ 52.7346, 41.8428,  
13.1806

■ 87.8855, 90.6735,  
91.0899

■ 49.6491, 36.9361,  
8.2542

95.0499, 100.0000,  
108.9000

■ 47.2220, 32.8389,  
5.1118

■ 45.3796, 29.4954,  
3.4450

■ 45.0693, 28.9187,  
3.2064

# Harmonies

## Analogous

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



71.4259, 61.8686, 52.2511



66.4815, 61.8686, 40.7856



59.7537, 61.8686, 36.3899

# Triad

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



66.4815, 61.8686, 40.7856



46.6570, 61.8686, 64.6958



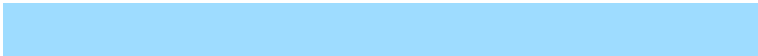
64.7221, 61.8686, 107.1755

# Complementary

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



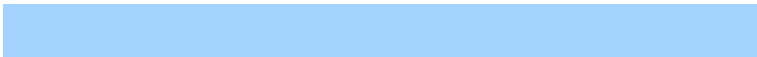
66.4815, 61.8686, 40.7856



57.7426, 65.6729, 104.2404

# 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.



57.8649, 61.8686, 112.2585



66.4815, 61.8686, 40.7856



47.7646, 61.8686, 85.1425

# Square

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



66.4815, 61.8686, 40.7856



48.5915, 61.8686, 48.3954



51.7420, 61.8686, 103.5317



70.3562, 61.8686, 90.7369



# Rectangle

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



66.4815, 61.8686, 40.7856



55.2855, 61.8686, 37.2838



51.7420, 61.8686, 103.5317



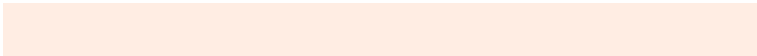
62.4693, 61.8686, 110.3900

# Sweetspot

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



66.4831, 61.8715, 40.7868



85.4035, 87.4138, 85.0082



66.5249, 50.9374, 74.7675



18.0426, 18.3974, 17.6174



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.



66.4831, 61.8715, 40.7868



62.1334, 55.7416, 31.4155



78.7044, 86.3142, 44.8606



18.5459, 19.0600, 18.8458



23.6781, 15.3674, 1.7182

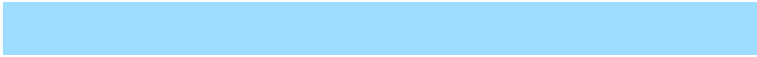


2.4047, 1.6947, 0.2004

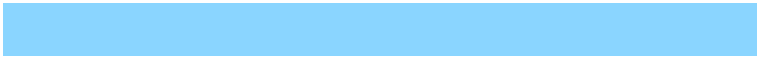


# Inverse Universe

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



57.7426, 65.6729, 104.2404



52.1926, 60.0195, 103.4418



47.0085, 44.2046, 100.6623



17.9712, 19.3141, 23.0308



16.4194, 17.7484, 51.9950



1.7024, 1.9355, 5.0971



# Previews

## White Background



This preview shows how the XYZ color 66.4815, 61.8686, 40.7856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

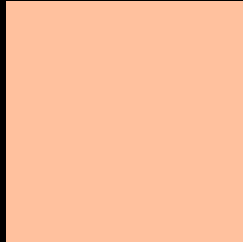
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4815, 61.8686, 40.7856 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 66.4815, 61.8686, 40.7856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.4815, 61.8686, 40.7856.



This preview shows how white text looks on a background with the XYZ color 66.4815, 61.8686,



# 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

66.4815, 61.8686, 40.7856

### Protanopia

58.2873, 62.0386, 44.0245

### Deuteranopia

63.2420, 61.8772, 40.5086



## Tritanopia

70.0983, 61.9195, 64.1342

# Trichromacy



**Original Color**

66.4815, 61.8686, 40.7856

**Protanomaly**

61.0125, 61.7056, 42.8771

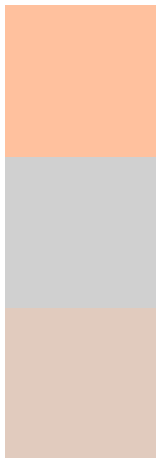
**Deuteranomaly**

64.1835, 61.6883, 40.4225

**Tritanomaly**

68.5164, 61.6321, 54.7394

# Monochromacy



**Original Color**

66.4815, 61.8686, 40.7856

**Achromatopsia**

59.9535, 63.0757, 68.6895

**Achromatomaly**

61.7015, 62.4371, 57.5147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4815, 61.8686, 40.7856 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, 193, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 158)  
}
```

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, 193, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4815, 61.8686, 40.7856 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, 193, 158) }
```



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

```
.border{ border-color:rgb(255, 193, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4815, 61.8686, 40.7856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 158) }
```

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

```
.background{ background-color: rgb(255,  
193, 158) }
```

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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