

# Converting Colors

XYZ(61.7031, 61.1712, 22.7991)

Have a look what the booklet for  
XYZ(61.7031, 61.1712, 22.7991)  
contains.

<b>XYZ(61.7399, 61.1550, 22.7374)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(61.7399, 61.1550,  
22.7374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9C56C
RGB	249, 197, 108
RGB Percent	98%, 77%, 42%
CMY	0.0235, 0.2274, 0.5765
CMYK	0.00, 0.21, 0.57, 0.02
HSL	38°, 92%, 70%
HSV	38°, 57%, 98%
XYZ	61.7399, 61.1550, 22.7374
YIQ	202.4020, 59.5610, -16.6550

# Conversions

## Conversions Part 2

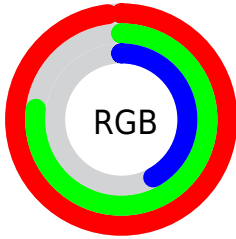
Format	Color
<b>R<sub>YB</sub></b>	190, 249, 108
Decimal	16369004
CIE <sub>Lab</sub>	82.46, 8.62, 51.11
CIE <sub>LCh</sub>	82, 51.828, 80.427
Yxy	61.1550, 0.4239, 0.4199
Android (android.graphics.Color)	4294559084 (0xFFFF9C56C)
YUV	202.4020, -46.5402, 40.8664
Hunter-Lab	78.2017, 4.0721, 37.5024

# Details

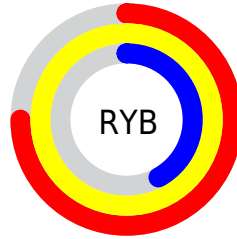
The XYZ color **61.7399, 61.1550, 22.7374** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.8533, 35.1677, 94.5203**, and the grayscale version is **56.6474, 59.5975, 64.9016**.

A 20% lighter version of the original color is **83.1148, 94.7168, 47.6198**, and **31.5472, 30.7591, 8.1453** is the 20% darker color. If you saturate the color by 10%, you get **58.5778, 56.6574, 16.0530**, and if you desaturate by 10%, it is **65.4103, 66.0639, 31.4591**.

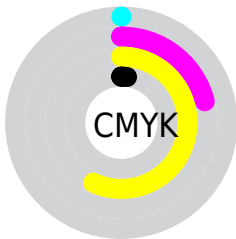
# Distribution



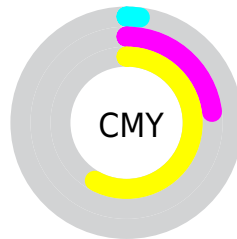
- Red (98%)
- Green (77%)
- Blue (42%)



- Red (75%)
- Yellow (98%)
- Blue (42%)



- Cyan (0%)
- Magenta (21%)
- Yellow (57%)
- Black (2%)




- Cyan (2%)
- Magenta (23%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7399, 61.1550, 22.7374 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 61.7399, 61.1550, 22.7374 by changing the saturation by 10% instead.





 61.7399, 61.1550,  
22.7374


 61.7399, 61.1550,  
22.7374


420.7144,  
428.8421, 279.4514

 45.0774, 44.3503,  
14.1963


 106.4416,  
106.5033, 48.8795


 31.7199, 30.9460,  
8.1170


 135.2115,  
135.8157, 67.3175

 21.3022, 20.5577,  
4.0810


 168.7478,  
170.0661, 89.8916

 13.4588, 12.8011,  
1.6699

 207.4160,  
209.6389, 117.0202

 7.8244, 7.2917,  
0.3400

251.5814,  
254.9185, 149.1220

 4.0336, 3.6452,  
0.0000

301.6094,

 1.7212, 1.4771,

306.2893, 186.6154

0.0000

357.8652,  
364.1357, 229.9190

■ 0.4695, 0.2726,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.7399, 61.1550,  
22.7374

■ 61.7399, 61.1550,  
22.7374

■ 58.5778, 56.6574,  
16.0530

■ 65.4103, 66.0639,  
31.4591

■ 55.8842, 52.5445,  
11.2268


■ 69.6161, 71.3912,  
42.3693


■ 53.6194, 48.7990,  
8.0543


■ 74.3873, 77.1548,  
55.6092


■ 51.7320, 45.3966,  
6.2772

■ 79.7501, 83.3685,  
71.3067

 51.1543, 44.3148,  
5.8575

 85.7290, 90.0453,  
89.5805

 91.9578, 97.0418,  
108.4920

 92.8766, 98.8796,  
108.7983

# Harmonies

## Analogous

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



72.7749, 61.1550, 29.7730



61.7399, 61.1550, 22.7374



51.0062, 61.1550, 24.2274

# Triad

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



61.7399, 61.1550, 22.7374



40.3669, 61.1550, 90.2208



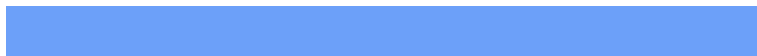
76.1338, 61.1550, 113.4862

# Complementary

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



61.7399, 61.1550, 22.7374



35.8533, 35.1677, 94.5203

# 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.



65.8793, 61.1550, 141.6495



61.7399, 61.1550, 22.7374



45.5879, 61.1550, 125.5267

# Square

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



61.7399, 61.1550, 22.7374



39.5548, 61.1550, 56.9511



54.6559, 61.1550, 146.6454



81.7543, 61.1550, 77.2537



# Rectangle

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



61.7399, 61.1550, 22.7374



45.3816, 61.1550, 30.1157



54.6559, 61.1550, 146.6454



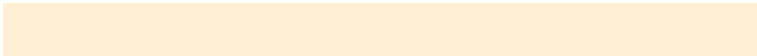
73.0575, 61.1550, 124.6377

# Sweetspot

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



61.7414, 61.1580, 22.7386



83.9504, 87.7374, 74.5665



50.9556, 33.4757, 37.9821



17.7152, 18.4895, 15.2055



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.



61.7414, 61.1580, 22.7386



61.3915, 59.1504, 16.0846



70.0398, 86.0816, 27.1120



18.1579, 19.0517, 18.1827



27.5227, 24.0020, 3.1822



2.6503, 2.4255, 0.3285



# Inverse Universe

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



35.8533, 35.1677, 94.5203



31.7033, 29.4125, 98.6140



30.8393, 21.8840, 92.2205



16.8072, 17.6912, 21.9142



11.3169, 7.9894, 48.9192



1.1456, 0.9348, 4.5632



# Previews

## White Background



This preview shows how the XYZ color 61.7399, 61.1550, 22.7374 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 61.7399, 61.1550, 22.7374 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 61.7399, 61.1550, 22.7374

## Background



This preview shows how black text looks on a background with the XYZ color 61.7399, 61.1550, 22.7374.



This preview shows how white text looks on a background with the XYZ color 61.7399, 61.1550,

22.7374.

# 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

61.7399, 61.1550, 22.7374

### Protanopia

56.3046, 61.4591, 23.9341

### Deuteranopia

62.5916, 61.2580, 22.7124



## Tritanopia

69.5529, 61.0177, 63.3701

# Trichromacy



## Original Color

61.7399, 61.1550, 22.7374

## Protanomaly

58.1021, 61.3301, 23.5274

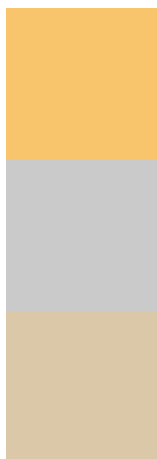
## Deuteranomaly

62.2304, 61.0718, 22.6955

## Tritanomaly

66.1139, 60.9343, 44.8361

# Monochromacy



## Original Color

61.7399, 61.1550, 22.7374

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

56.9356, 59.1958, 45.4709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7399, 61.1550, 22.7374 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(249, 197, 108)` looks like.

```
.text, #text, p{  
  color:rgb(249, 197, 108)  
}
```

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(249, 197, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 197, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7399, 61.1550, 22.7374 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(249, 197, 108) }
```



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

```
.border{ border-color:rgb(249, 197, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 197, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 197, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 197, 108);  
box-shadow:4px 4px 4px 4px rgb(249, 197,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7399, 61.1550, 22.7374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 197, 108) }
```

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

```
.background{ background-color: rgb(249,  
197, 108) }
```

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