

# Converting Colors

XYZ(63.8080, 62.3530, 21.9171)

Have a look what the booklet for  
XYZ(63.8080, 62.3530, 21.9171)  
contains.

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# **Color**

**XYZ(63.7561, 62.2124,  
22.0125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC569
RGB	255, 197, 105
RGB Percent	100%, 77%, 41%
CMY	0.0000, 0.2274, 0.5882
CMYK	0.00, 0.23, 0.59, 0.00
HSL	37°, 100%, 71%
HSV	37°, 59%, 100%
XYZ	63.7561, 62.2124, 22.0125
YIQ	203.8540, 64.1000, -16.3160

# Conversions

## Conversions Part 2

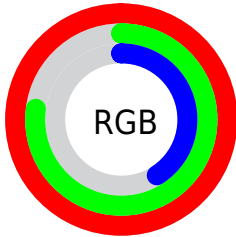
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 255, 105
Decimal	16762217
CIE Lab	83.03, 10.85, 53.35
CIE LCh	83, 54.446, 78.504
Yxy	62.2124, 0.4308, 0.4204
Android (android.graphics.Color)	4294952297 (0xFFFFC569)
YUV	203.8540, -48.7350, 44.8550
Hunter-Lab	78.8748, 6.2541, 38.6657

# Details

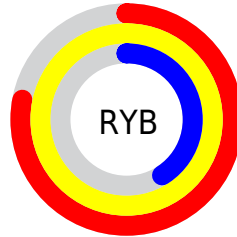
The XYZ color **63.7561, 62.2124, 22.0125** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.9724, 36.4163, 99.6878**, and the grayscale version is **57.5734, 60.5717, 65.9626**.

A 20% lighter version of the original color is **82.9398, 94.6468, 46.6982**, and **32.9707, 31.5041, 7.7113** is the 20% darker color. If you saturate the color by 10%, you get **60.4712, 57.4351, 15.3924**, and if you desaturate by 10%, it is **67.5832, 67.4457, 30.7527**.

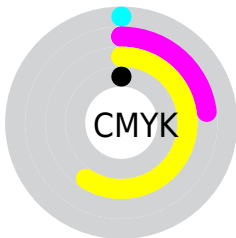
# Distribution



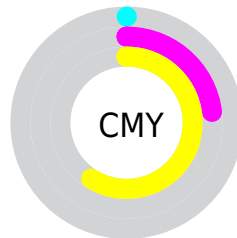
- Red (100%)
- Green (77%)
- Blue (41%)



- Red (78%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (23%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7561, 62.2124, 22.0125 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 63.7561, 62.2124, 22.0125 by changing the saturation by 10% instead.



63.7561, 62.2124,  
22.0125

63.7561, 62.2124,  
22.0125

427.9245,  
432.7054, 275.5672

46.7141, 45.2043,  
13.6677

109.3353,  
108.0324, 47.6691

33.0167, 31.6184,  
7.7538

138.6032,  
137.6132, 65.8180

22.2985, 21.0702,  
3.8523

172.6772,  
172.1537, 88.0720

14.1943, 13.1753,  
1.5447

211.9225,  
212.0383, 114.8496

8.3385, 7.5494,  
0.2509

256.7045,  
257.6514, 146.5693

4.3659, 3.8080,  
0.0000

307.3886,

1.9112, 1.5667,

309.3773, 183.6499

0.0000

364.3402,  
367.6005, 226.5096

■ 0.5833, 0.3350,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.7561, 62.2124,  
22.0125

■ 63.7561, 62.2124,  
22.0125

■ 60.4712, 57.4351,  
15.3924

■ 67.5832, 67.4457,  
30.7527

■ 57.6850, 53.0847,  
10.6964

■ 71.9828, 73.1442,  
41.7780

■ 55.3531, 49.1413,  
7.6982

■ 76.9874, 79.3275,  
55.2410

■ 53.4101, 45.5740,  
6.0679

■ 82.6257, 86.0112,  
71.2801

■ 53.1972, 45.1746,  
5.9158

■ 88.9245, 93.2099,  
90.0232

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



75.4259, 62.2124, 29.8708



63.7561, 62.2124, 22.0125



52.2363, 62.2124, 22.9960

# Triad

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



63.7561, 62.2124, 22.0125



40.1643, 62.2124, 90.4578



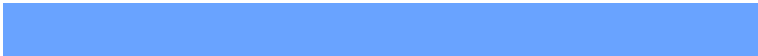
77.7500, 62.2124, 120.3857

# Complementary

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



63.7561, 62.2124, 22.0125



36.9724, 36.4163, 99.6878

# 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.



66.6072, 62.2124, 149.6486



63.7561, 62.2124, 22.0125



45.3702, 62.2124, 128.7934

# Square

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



63.7561, 62.2124, 22.0125



39.6136, 62.2124, 55.6273



54.7352, 62.2124, 153.1537



84.1917, 62.2124, 81.4917



# Rectangle

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



63.7561, 62.2124, 22.0125



46.1328, 62.2124, 28.6287



54.7352, 62.2124, 153.1537



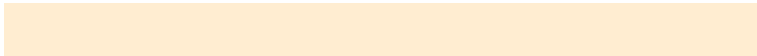
74.3667, 62.2124, 132.1594

# Sweetspot

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



63.7576, 62.2154, 22.0137



83.1187, 86.5838, 72.7181



53.0834, 34.0803, 39.3784



17.4219, 18.1023, 14.4934



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.



63.7576, 62.2154, 22.0137



59.8235, 56.4521, 14.2130



74.2450, 91.0650, 27.0295



18.9370, 19.8422, 18.9762



27.9460, 23.9031, 3.1409



2.8270, 2.5394, 0.3412



# Inverse Universe

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



36.9724, 36.4163, 99.6878



30.8357, 28.6049, 98.5038



30.8479, 21.3169, 97.0962



17.5788, 18.5293, 22.9000



11.8765, 8.6625, 50.4807



1.2585, 1.0476, 4.9492



# Previews

## White Background



This preview shows how the XYZ color 63.7561, 62.2124, 22.0125 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 63.7561, 62.2124, 22.0125 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 63.7561, 62.2124, 22.0125

## Background



This preview shows how black text looks on a background with the XYZ color 63.7561, 62.2124, 22.0125.



This preview shows how white text looks on a background with the XYZ color 63.7561, 62.2124,



# 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

63.7561, 62.2124, 22.0125

### Protanopia

57.0145, 62.2023, 23.1886

### Deuteranopia

63.7561, 62.2124, 22.0125



## Tritanopia

70.1961, 62.3040, 63.5845

# Trichromacy



## Original Color

63.7561, 62.2124, 22.0125

## Protanomaly

59.2697, 61.9506, 22.7437

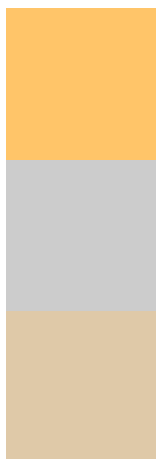
## Deuteranomaly

63.7561, 62.2124, 22.0125

## Tritanomaly

67.1929, 62.1531, 44.5317

# Monochromacy



## Original Color

63.7561, 62.2124, 22.0125

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

58.3860, 60.2884, 45.6053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.7561, 62.2124, 22.0125 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, 197, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 105)  
}
```

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, 197, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 63.7561, 62.2124, 22.0125 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, 197, 105) }
```



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

```
.border{ border-color:rgb(255, 197, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.7561, 62.2124, 22.0125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 105) }
```

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

```
.background{ background-color: rgb(255,  
197, 105) }
```

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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