

Converting Colors

XYZ(73.1684, 66.8033, 23.3231)

Have a look what the booklet for
XYZ(73.1684, 66.8033, 23.3231)
contains.

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Color

**XYZ(63.6867, 61.8226,
22.7637)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC46C
RGB	255, 196, 108
RGB Percent	100%, 77%, 42%
CMY	0.0000, 0.2313, 0.5765
CMYK	0.00, 0.23, 0.58, 0.00
HSL	36°, 100%, 71%
HSV	36°, 58%, 100%
XYZ	63.6867, 61.8226, 22.7637
YIQ	203.6090, 63.4120, -14.8600

Conversions

Conversions Part 2

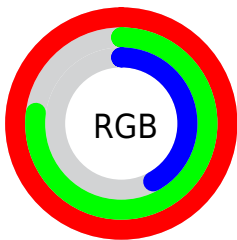
Format	Color
R _Y B	207, 255, 108
Decimal	16761964
CIE _{Lab}	82.82, 11.59, 51.68
CIE _{LCh}	83, 52.958, 77.364
Yxy	61.8226, 0.4295, 0.4170
Android (android.graphics.Color)	4294952044 (0xFFFFC46C)
YUV	203.6090, -47.1352, 45.0699
Hunter-Lab	78.6273, 6.9838, 37.8739

Details

The XYZ color **63.6867, 61.8226, 22.7637** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.0524, 38.0439, 99.9448**, and the grayscale version is **57.4091, 60.3988, 65.7743**.

A 20% lighter version of the original color is **82.4834, 93.4540, 47.4093**, and **32.9172, 31.2435, 8.1666** is the 20% darker color. If you saturate the color by 10%, you get **60.2931, 56.8991, 15.8882**, and if you desaturate by 10%, it is **67.6375, 67.2258, 31.7838**.

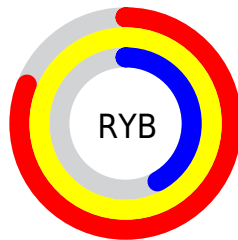
Distribution



Red (100%)

Green (77%)

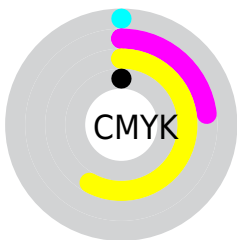
Blue (42%)



Red (81%)

Yellow (100%)

Blue (42%)

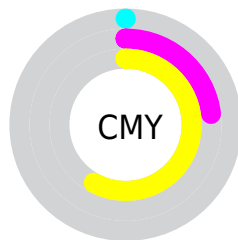


Cyan (0%)

Magenta (23%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6867, 61.8226, 22.7637 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 63.6867, 61.8226, 22.7637 by changing the saturation by 10% instead.


 63.6867, 61.8226,
22.7637

 63.6867, 61.8226,
22.7637


427.6776,
431.2837, 279.5915

 46.6577, 44.8894,
14.2155


 109.2359,
107.4691, 48.9233


 32.9719, 31.3703,
8.1302


 138.4867,
136.9512, 67.3717

 22.2641, 20.8810,
4.0894


 172.5423,
171.3849, 89.9573

 14.1688, 13.0370,
1.6745

 211.7679,
211.1549, 117.0986

 8.3206, 7.4541,
0.3432

256.5288,
256.6453, 149.2141

 4.3543, 3.7476,
0.0000

307.1905,

 1.9045, 1.5334,

308.2407, 186.7224

0.0000

364.1183,
366.3253, 230.0420

■ 0.5794, 0.3121,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6867, 61.8226,
22.7637

■ 63.6867, 61.8226,
22.7637

■ 60.2931, 56.8991,
15.8882

■ 67.6375, 67.2258,
31.7838

■ 57.4136, 52.4258,
10.9644

■ 72.1755, 73.1182,
43.1112

■ 55.0042, 48.3823,
7.7710

■ 77.3335, 79.5201,
56.8971

■ 53.0061, 44.7399,
6.0143

■ 83.1401, 86.4475,
73.2784

■ 52.5760, 43.9323,
5.7087

■ 89.6221, 93.9157,
92.3823

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



74.8913, 61.8226, 30.8909



63.6867, 61.8226, 22.7637



52.4592, 61.8226, 23.4204

Triad

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



63.6867, 61.8226, 22.7637



40.2261, 61.8226, 87.8389



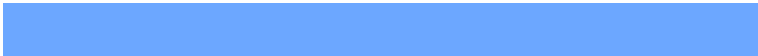
76.4043, 61.8226, 119.4102

Complementary

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



63.6867, 61.8226, 22.7637



38.0524, 38.0439, 99.9448

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.



65.5473, 61.8226, 146.7541



63.6867, 61.8226, 22.7637



45.1301, 61.8226, 124.8566

Square

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



63.6867, 61.8226, 22.7637



39.8637, 61.8226, 54.4955



54.0952, 61.8226, 149.0190



82.8466, 61.8226, 82.0005

Rectangle

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



63.6867, 61.8226, 22.7637



46.4378, 61.8226, 28.7351



54.0952, 61.8226, 149.0190



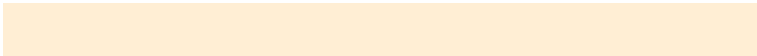
73.0905, 61.8226, 130.5434

Sweetspot

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



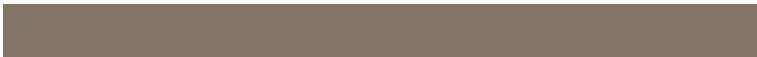
63.6882, 61.8256, 22.7649



83.5386, 86.9139, 74.4292



53.7877, 34.8596, 41.5536



17.6177, 18.2946, 15.1730



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.



63.6882, 61.8256, 22.7649



59.8743, 56.2677, 15.1117



75.3425, 91.6125, 27.9001



18.9139, 19.7959, 18.9685



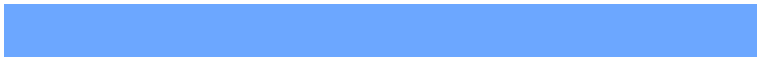
27.6224, 23.2561, 3.0330



2.7966, 2.4785, 0.3310

Inverse Universe

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



38.0524, 38.0439, 99.9448



32.1311, 30.5894, 98.8186



31.1935, 21.9568, 97.2012



17.6013, 18.5742, 22.9074



12.0681, 9.0457, 50.5445



1.2786, 1.0878, 4.9559

Previews

White Background



This preview shows how the XYZ color 63.6867, 61.8226, 22.7637 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 63.6867, 61.8226, 22.7637 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 63.6867, 61.8226, 22.7637

Background



This preview shows how black text looks on a background with the XYZ color 63.6867, 61.8226, 22.7637.



This preview shows how white text looks on a background with the XYZ color 63.6867, 61.8226,

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

63.6867, 61.8226, 22.7637

Protanopia

56.9160, 62.1264, 24.3210

Deuteranopia

63.1810, 61.8979, 22.8048



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

63.6867, 61.8226, 22.7637

Protanomaly

59.1502, 61.8641, 23.8623

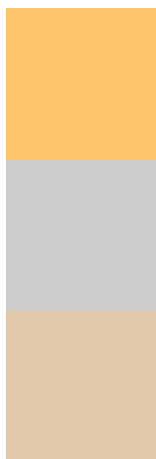
Deuteranomaly

63.5461, 62.0860, 22.8219

Tritanomaly

67.0647, 61.7493, 44.9433

Monochromacy



Original Color

63.6867, 61.8226, 22.7637

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

58.4795, 60.3258, 46.0980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6867, 61.8226, 22.7637 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, 196, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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(255, 196, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 108) }
```

Border

The CSS property to change the border of an element to XYZ 63.6867, 61.8226, 22.7637 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, 196, 108) }
```


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

```
.border{ border-color:rgb(255, 196, 108) }
```

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

Here you see how a box with a 4 pixel rgb(255, 196, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6867, 61.8226, 22.7637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 108) }
```

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

```
.background{ background-color: rgb(255,  
196, 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](#).

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