

Converting Colors

XYZ(63.6347, 62.2577, 21.0843)

Have a look what the booklet for
XYZ(63.6347, 62.2577, 21.0843)
contains.

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Color

**XYZ(63.5552, 62.1321,
20.9549)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC565
RGB	255, 197, 101
RGB Percent	100%, 77%, 40%
CMY	0.0000, 0.2274, 0.6039
CMYK	0.00, 0.23, 0.60, 0.00
HSL	37°, 100%, 70%
HSV	37°, 60%, 100%
XYZ	63.5552, 62.1321, 20.9549
YIQ	203.3980, 65.3840, -17.5600

Conversions

Conversions Part 2

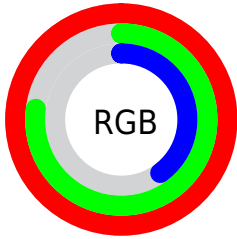
Format	Color
RYB	194, 255, 101
Decimal	16762213
CIELab	82.98, 10.57, 55.19
CIELCh	83, 56.195, 79.154
Yxy	62.1321, 0.4334, 0.4237
Android (android.graphics.Color)	4294952293 (0xFFFFC565)
YUV	203.3980, -50.4822, 45.2550
Hunter-Lab	78.8239, 5.9815, 39.4148

Details

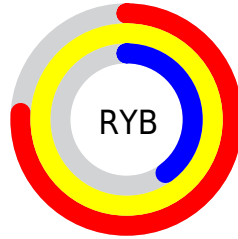
The XYZ color **63.5552, 62.1321, 20.9549** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.8144, 34.7815, 99.4331**, and the grayscale version is **57.2954, 60.2792, 65.6440**.

A 20% lighter version of the original color is **82.5982, 94.5102, 44.8992**, and **32.8825, 31.4688, 7.2467** is the 20% darker color. If you saturate the color by 10%, you get **60.3832, 57.4871, 14.6608**, and if you desaturate by 10%, it is **67.2566, 67.2160, 29.3384**.

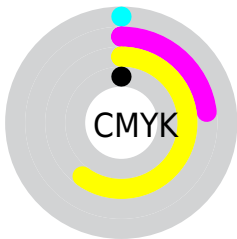
Distribution



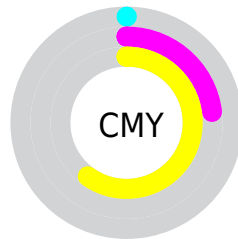
- Red (100%)
- Green (77%)
- Blue (40%)



- Red (76%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5552, 62.1321, 20.9549 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 63.5552, 62.1321, 20.9549 by changing the saturation by 10% instead.


 63.5552, 62.1321,
20.9549

 63.5552, 62.1321,
20.9549


427.2093,
432.4128, 269.8119

 46.5508, 45.1394,
12.9001


 109.0474,
107.9164, 45.8923


 32.8872, 31.5673,
7.2299


 138.2660,
137.4769, 63.6120

 22.1988, 21.0312,
3.5257


 172.2867,
171.9954, 85.3903

 14.1205, 13.1468,
1.3689

 211.4749,
211.8564, 111.6460

 8.2868, 7.5297,
0.1173

256.1958,
257.4442, 142.7974

 4.3323, 3.7955,
0.0000

306.8150,

 1.8918, 1.5599,

309.1433, 179.2632

0.0000

363.6977,
367.3380, 221.4618

■ 0.5721, 0.3303,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5552, 62.1321,
20.9549

■ 63.5552, 62.1321,
20.9549

■ 60.3832, 57.4871,
14.6608

■ 67.2566, 67.2160,
29.3384

■ 57.6964, 53.2519,
10.2557


■ 71.5178, 72.7477,
39.9792

■ 55.4492, 49.4065,
7.5058

■ 76.3719, 78.7466,
53.0325

■ 53.6329, 46.0461,
6.0610

■ 81.8478, 85.2282,
68.6383

 87.9720, 92.2068,
86.9261

94.7697, 99.6961,
108.0163

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.



75.6683, 62.1321, 28.6448



63.5552, 62.1321, 20.9549



51.7246, 62.1321, 22.1231

Triad

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



63.5552, 62.1321, 20.9549



39.6410, 62.1321, 92.0323



78.5235, 62.1321, 121.4466

Complementary

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



63.5552, 62.1321, 20.9549



35.8144, 34.7815, 99.4331

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.



67.0465, 62.1321, 152.4509



63.5552, 62.1321, 20.9549



45.0703, 62.1321, 131.8421

Square

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



63.5552, 62.1321, 20.9549



38.9740, 62.1321, 55.8395



54.7718, 62.1321, 156.7988



85.0645, 62.1321, 81.0214

Rectangle

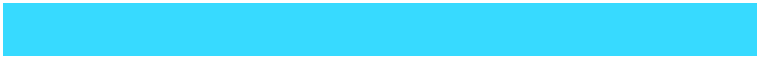
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.5552, 62.1321, 20.9549



45.5126, 62.1321, 27.9355



54.7718, 62.1321, 156.7988



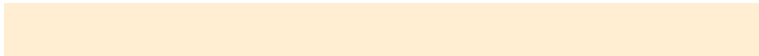
75.0474, 62.1321, 133.8310

Sweetspot

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



63.5567, 62.1351, 20.9561



83.2526, 86.8516, 72.7627



52.2419, 33.1071, 36.9105



17.4547, 18.1679, 14.5043



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.



63.5567, 62.1351, 20.9561



59.9195, 56.7787, 13.8300



73.0450, 90.4694, 25.9251



18.9528, 19.8738, 18.9814



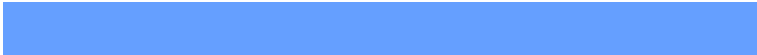
28.1728, 24.3569, 3.2165



2.8483, 2.5819, 0.3482

Inverse Universe

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



35.8144, 34.7815, 99.4331



30.1353, 27.4893, 98.3254



30.3073, 20.4476, 96.9566



17.5635, 18.4986, 22.8948



11.7503, 8.4101, 50.4386



1.2451, 1.0209, 4.9447

Previews

White Background



This preview shows how the XYZ color 63.5552, 62.1321, 20.9549 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 63.5552, 62.1321, 20.9549 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 63.5552, 62.1321, 20.9549

Background



This preview shows how black text looks on a background with the XYZ color 63.5552, 62.1321, 20.9549.



This preview shows how white text looks on a background with the XYZ color 63.5552, 62.1321,

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

63.5552, 62.1321, 20.9549

Protanopia

57.1246, 62.2831, 22.1078

Deuteranopia

63.5552, 62.1321, 20.9549



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

63.5552, 62.1321, 20.9549

Protanomaly

59.0640, 61.8683, 21.6607

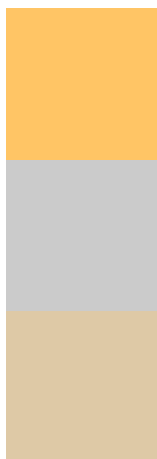
Deuteranomaly

63.5552, 62.1321, 20.9549

Tritanomaly

66.8812, 61.6759, 43.9769

Monochromacy



Original Color

63.5552, 62.1321, 20.9549

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.8938, 60.0561, 44.6170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5552, 62.1321, 20.9549 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 101) }
```

Border

The CSS property to change the border of an element to XYZ 63.5552, 62.1321, 20.9549 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, 101) }
```


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

```
.border{ border-color:rgb(255, 197, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5552, 62.1321, 20.9549 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
197, 101) }
```

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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