

Converting Colors

XYZ(63.4583, 61.8587, 21.1676)

Have a look what the booklet for
XYZ(63.4583, 61.8587, 21.1676)
contains.

XYZ(63.3782, 61.6992, 21.1391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.3782, 61.6992,
21.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC466
RGB	255, 196, 102
RGB Percent	100%, 77%, 40%
CMY	0.0000, 0.2313, 0.6000
CMYK	0.00, 0.23, 0.60, 0.00
HSL	37°, 100%, 70%
HSV	37°, 60%, 100%
XYZ	63.3782, 61.6992, 21.1391
YIQ	202.9250, 65.3380, -16.7260

Conversions

Conversions Part 2

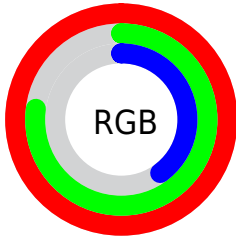
Format	Color
R _Y B	198, 255, 102
Decimal	16761958
CIE Lab	82.75, 11.16, 54.46
CIE LCh	83, 55.588, 78.417
Yxy	61.6992, 0.4335, 0.4220
Android (android.graphics.Color)	4294952038 (0xFFFFC466)
YUV	202.9250, -49.7560, 45.6698
Hunter-Lab	78.5488, 6.5647, 39.0280

Details

The XYZ color **63.3782, 61.6992, 21.1391** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.2737, 35.5329, 99.5539**, and the grayscale version is **56.9929, 59.9610, 65.2975**.

A 20% lighter version of the original color is **81.9668, 93.2474, 44.6888**, and **32.7544, 31.1784, 7.3093** is the 20% darker color. If you saturate the color by 10%, you get **60.1575, 56.9801, 14.7571**, and if you desaturate by 10%, it is **67.1360, 66.8705, 29.6197**.

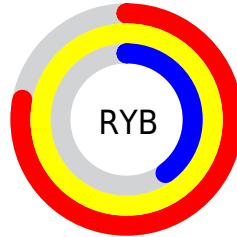
Distribution



Red (100%)

Green (77%)

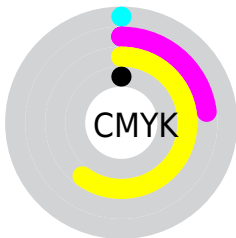
Blue (40%)



Red (78%)

Yellow (100%)

Blue (40%)

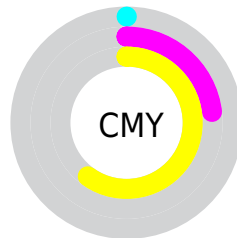


Cyan (0%)

Magenta (23%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3782, 61.6992, 21.1391 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 63.3782, 61.6992, 21.1391 by changing the saturation by 10% instead.


 63.3782, 61.6992,
21.1391

 63.3782, 61.6992,
21.1391


426.5786,
430.8330, 270.8221


 46.4070, 44.7897,
13.0335


 108.7937,
107.2907, 46.2027


 32.7731, 31.2918,
7.3206


 137.9688,
136.7414, 63.9978

 22.1111, 20.8212,
3.5819


 171.9425,
171.1414, 85.8598

 14.0556, 12.9933,
1.3989

 211.0802,
210.8749, 112.2072

 8.2413, 7.4240,
0.1409

255.7474,
256.3265, 143.4586

 4.3028, 3.7286,
0.0000

306.3092,

 1.8749, 1.5229,

307.8804, 180.0325

0.0000

363.1312,
365.9211, 222.3475

■ 0.5622, 0.3048,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3782, 61.6992,
21.1391

■ 63.3782, 61.6992,
21.1391

■ 60.1575, 56.9801,
14.7571

■ 67.1360, 66.8705,
29.6197

■ 57.4299, 52.6840,
10.2744

■ 71.4615, 72.5034,
40.3662

■ 55.1498, 48.7905,
7.4592

■ 76.3878, 78.6176,
53.5331

■ 53.2423, 45.2650,
5.9309

■ 81.9437, 85.2288,
69.2602

53.2421, 45.2646,
5.9308

88.1562, 92.3518,
87.6763

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.



75.2516, 61.6992, 29.0033



63.3782, 61.6992, 21.1391



51.6799, 61.6992, 22.0924

Triad

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



63.3782, 61.6992, 21.1391



39.4343, 61.6992, 90.1863



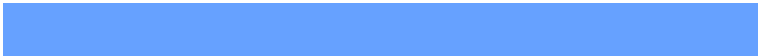
77.5620, 61.6992, 120.9969

Complementary

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



63.3782, 61.6992, 21.1391



36.2737, 35.5329, 99.5539

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.



66.2055, 61.6992, 150.9433



63.3782, 61.6992, 21.1391



44.6782, 61.6992, 129.3953

Square

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



63.3782, 61.6992, 21.1391



38.8926, 61.6992, 54.8159



54.1502, 61.6992, 154.4530



84.1527, 61.6992, 81.2760

Rectangle

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



63.3782, 61.6992, 21.1391



45.4940, 61.6992, 27.6891



54.1502, 61.6992, 154.4530



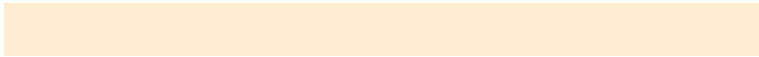
74.1095, 61.6992, 133.0456

Sweetspot

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



63.3797, 61.7022, 21.1403



83.1327, 86.6117, 72.7227



52.6203, 33.4147, 38.4213



17.4254, 18.1092, 14.4945



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.



63.3797, 61.7022, 21.1403



59.5738, 56.0874, 13.7148



73.9915, 90.9517, 26.2267



18.9386, 19.8455, 18.9767



27.9694, 23.9501, 3.1487



2.8292, 2.5438, 0.3419

Inverse Universe

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



36.2737, 35.5329, 99.5539



30.3796, 27.9781, 98.4069



30.1783, 20.5261, 96.9786



17.5772, 18.5261, 22.8994



11.8631, 8.6358, 50.4762



1.2570, 1.0448, 4.9487

Previews

White Background



This preview shows how the XYZ color 63.3782, 61.6992, 21.1391 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 63.3782, 61.6992, 21.1391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

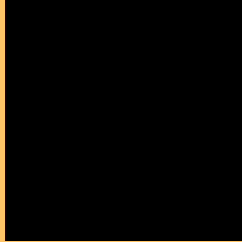
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3782, 61.6992, 21.1391

Background



This preview shows how black text looks on a background with the XYZ color 63.3782, 61.6992, 21.1391.



This preview shows how white text looks on a background with the XYZ color 63.3782, 61.6992,

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

63.3782, 61.6992, 21.1391

Protanopia

56.6160, 61.6565, 22.2815

Deuteranopia

63.0113, 61.5100, 21.1219



Tritanopia

69.8629, 61.8253, 62.8949

Trichromacy



Original Color

63.3782, 61.6992, 21.1391

Protanomaly

58.8791, 61.4177, 21.8482

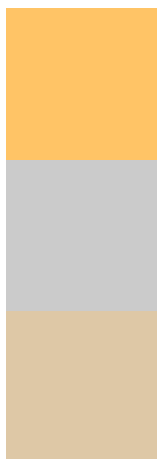
Deuteranomaly

63.0113, 61.5100, 21.1219

Tritanomaly

66.7905, 61.6396, 43.4994

Monochromacy



Original Color

63.3782, 61.6992, 21.1391

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.6614, 59.5913, 44.5396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3782, 61.6992, 21.1391 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 102) }
```

Border

The CSS property to change the border of an element to XYZ 63.3782, 61.6992, 21.1391 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, 102) }
```


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

```
.border{ border-color:rgb(255, 196, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3782, 61.6992, 21.1391 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
196, 102) }
```

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