

Converting Colors

XYZ(81.1019, 69.9515, 22.1459)

Have a look what the booklet for
XYZ(81.1019, 69.9515, 22.1459)
contains.

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Color

**XYZ(62.7581, 60.3792,
21.1786)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC167
RGB	255, 193, 103
RGB Percent	100%, 76%, 40%
CMY	0.0000, 0.2431, 0.5961
CMYK	0.00, 0.24, 0.60, 0.00
HSL	36°, 100%, 70%
HSV	36°, 60%, 100%
XYZ	62.7581, 60.3792, 21.1786
YIQ	201.2780, 65.8420, -14.8460

Conversions

Conversions Part 2

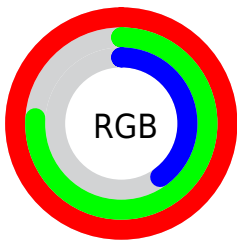
Format	Color
R_{YB}	208, 255, 103
Decimal	16761191
CIE _{Lab}	82.04, 12.79, 53.16
CIE _{LCh}	82, 54.678, 76.473
Yxy	60.3792, 0.4349, 0.4184
Android (android.graphics.Color)	4294951271 (0xFFFFC167)
YUV	201.2780, -48.4511, 47.1142
Hunter-Lab	77.7041, 8.1844, 38.2331

Details

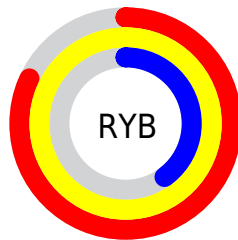
The XYZ color **62.7581, 60.3792, 21.1786** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.0979, 37.0121, 99.7959**, and the grayscale version is **55.9540, 58.8679, 64.1072**.

A 20% lighter version of the original color is **81.1164, 91.4117, 44.8214**, and **32.4813, 30.5973, 7.3259** is the 20% darker color. If you saturate the color by 10%, you get **59.4496, 55.5077, 14.6953**, and if you desaturate by 10%, it is **66.6214, 65.7361, 29.7729**.

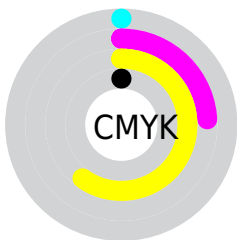
Distribution



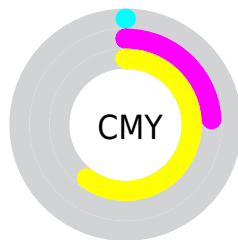
- Red (100%)
- Green (76%)
- Blue (40%)



- Red (82%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (24%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7581, 60.3792, 21.1786 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 62.7581, 60.3792, 21.1786 by changing the saturation by 10% instead.

62.7581, 60.3792,
21.1786

62.7581, 60.3792,
21.1786

424.3647,
425.9941, 271.0383

45.9035, 43.7244,
13.0621

107.9042,
105.3795, 46.2692

32.3739, 30.4539,
7.3401

136.9264,
134.4938, 64.0804

21.8042, 20.1833,
3.5940

170.7352,
168.5301, 85.9603

13.8289, 12.5284,
1.4054

209.6958,
207.8726, 112.3274

8.0827, 7.1046,
0.1459

254.1737,
252.9059, 143.6001

4.2001, 3.5276,
0.0000

304.5343,

1.8160, 1.4130,

304.0143, 180.1972

0.0000

361.1428,
361.5822, 222.5371

■ 0.5273, 0.2263,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7581, 60.3792,
21.1786

■ 62.7581, 60.3792,
21.1786

■ 59.4496, 55.5077,
14.6953

■ 66.6214, 65.7361,
29.7729

■ 56.6515, 51.0915,
10.1249

■ 71.0705, 71.5887,
40.6451

■ 54.3181, 47.1091,
7.2371

■ 76.1388, 77.9579,
53.9491

■ 52.3773, 43.5262,
5.6696

■ 81.8556, 84.8601,
69.8244

■ 52.3058, 43.3921,
5.6187

■ 88.2481, 92.3110,
88.3998

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



74.1371, 60.3792, 29.4878



62.7581, 60.3792, 21.1786



51.3010, 60.3792, 21.5801

Triad

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



62.7581, 60.3792, 21.1786



38.5683, 60.3792, 85.5428



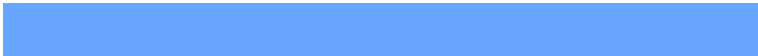
75.1019, 60.3792, 120.1918

Complementary

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



62.7581, 60.3792, 21.1786



37.0979, 37.0121, 99.7959

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.



63.9398, 60.3792, 147.8568



62.7581, 60.3792, 21.1786



43.3741, 60.3792, 123.6933

Square

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



62.7581, 60.3792, 21.1786



38.3413, 60.3792, 51.9215



52.3345, 60.3792, 149.3189



81.8847, 60.3792, 81.8218

Rectangle

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



62.7581, 60.3792, 21.1786



45.1394, 60.3792, 26.6293



52.3345, 60.3792, 149.3189



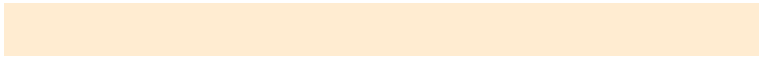
71.6747, 60.3792, 131.5427

Sweetspot

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



62.7595, 60.3822, 21.1798



82.8370, 86.0204, 72.6242



53.0039, 33.7263, 39.9537



17.3530, 17.9646, 14.4704



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.



62.7595, 60.3822, 21.1798



58.7353, 54.4103, 13.4353



74.9404, 91.4351, 26.5316



18.9036, 19.7754, 18.9650



27.4816, 22.9745, 2.9861



2.7833, 2.4519, 0.3266

Inverse Universe

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



37.0979, 37.0121, 99.7959



31.0004, 29.2196, 98.6138



30.0589, 20.6113, 97.0012



17.6113, 18.5942, 22.9108



12.1560, 9.2217, 50.5739



1.2877, 1.1061, 4.9589

Previews

White Background



This preview shows how the XYZ color 62.7581, 60.3792, 21.1786 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 62.7581, 60.3792, 21.1786 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 62.7581, 60.3792, 21.1786

Background



This preview shows how black text looks on a background with the XYZ color 62.7581, 60.3792, 21.1786.



This preview shows how white text looks on a background with the XYZ color 62.7581, 60.3792,

21.1786.

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

62.7581, 60.3792, 21.1786

Protanopia

55.5365, 60.7317, 22.7052

Deuteranopia

61.7469, 60.5187, 21.2588



Tritanopia

68.8769, 60.4090, 60.8532

Trichromacy



Original Color

62.7581, 60.3792, 21.1786

Protanomaly

58.0802, 60.6468, 22.2805

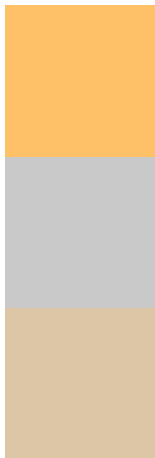
Deuteranomaly

61.8849, 60.2583, 21.2013

Tritanomaly

66.0485, 60.2995, 42.8082

Monochromacy



Original Color

62.7581, 60.3792, 21.1786

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.8044, 58.4769, 43.8906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7581, 60.3792, 21.1786 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, 193, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 103)  
}
```

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, 193, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 103) }
```

Border

The CSS property to change the border of an element to XYZ 62.7581, 60.3792, 21.1786 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, 193, 103) }
```


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

```
.border{ border-color:rgb(255, 193, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7581, 60.3792, 21.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 103) }
```

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

```
.background{ background-color: rgb(255,  
193, 103) }
```

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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