

Converting Colors

XYZ(86.1988, 74.0581, 17.9840)

Have a look what the booklet for
XYZ(86.1988, 74.0581, 17.9840)
contains.

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Color

**XYZ(62.7676, 61.8170,
16.8073)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC553
RGB	255, 197, 83
RGB Percent	100%, 77%, 33%
CMY	0.0000, 0.2274, 0.6745
CMYK	0.00, 0.23, 0.67, 0.00
HSL	40°, 100%, 66%
HSV	40°, 67%, 100%
XYZ	62.7676, 61.8170, 16.8073
YIQ	201.3460, 71.1620, -23.1580

Conversions

Conversions Part 2

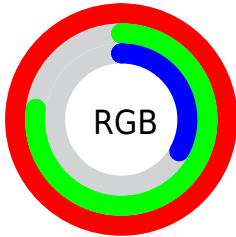
Format	Color
RYB	171, 255, 83
Decimal	16762195
CIELab	82.82, 9.48, 63.09
CIELCh	83, 63.795, 81.452
Yxy	61.8170, 0.4439, 0.4372
Android (android.graphics.Color)	4294952275 (0xFFFFC553)
YUV	201.3460, -58.3446, 47.0546
Hunter-Lab	78.6238, 4.9100, 42.3623

Details

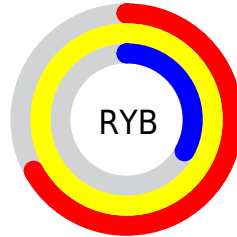
The XYZ color **62.7676, 61.8170, 16.8073** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **31.1418, 28.1078, 98.3912**, and the grayscale version is **56.0536, 58.9728, 64.2214**.

A 20% lighter version of the original color is **80.8806, 93.3167, 37.4160**, and **32.3969, 31.4860, 5.2896** is the 20% darker color. If you saturate the color by 10%, you get **60.0616, 57.7017, 11.9090**, and if you desaturate by 10%, it is **65.9497, 66.3058, 23.6506**.

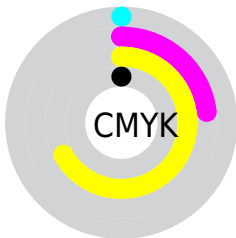
Distribution



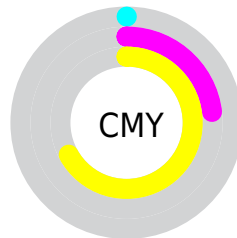
- Red (100%)
- Green (77%)
- Blue (33%)



- Red (67%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (23%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (23%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7676, 61.8170, 16.8073 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 62.7676, 61.8170, 16.8073 by changing the saturation by 10% instead.

62.7676, 61.8170,
16.8073

62.7676, 61.8170,
16.8073

424.3986,
431.2633, 246.0657

45.9112, 44.8848,
9.9367

107.9179,
107.4610, 38.7803

32.3801, 31.3667,
5.2519

136.9424,
136.9416, 54.7197

21.8089, 20.8783,
2.3345

170.7537,
171.3739, 74.5192

13.8324, 13.0350,
0.7505

209.7170,
211.1422, 98.5972

8.0851, 7.4527,
0.0000

254.1979,
256.6308, 127.3723

4.2017, 3.7468,
0.0000

304.5615,

1.8169, 1.5329,

308.2243, 161.2631

0.0000

361.1733,
366.3070, 200.6880

■ 0.5278, 0.3117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7676, 61.8170,
16.8073

■ 62.7676, 61.8170,
16.8073

■ 60.0616, 57.7017,
11.9090

■ 65.9497, 66.3058,
23.6506

■ 57.7836, 53.9304,
8.7308

■ 69.6410, 71.1770,
32.6236

■ 55.8786, 50.4805,
6.9853

■ 73.8760, 76.4494,
43.8929

■ 55.4315, 49.6433,
6.6606

■ 78.6847, 82.1380,
57.6079

■ 84.0945, 88.2562,
73.9049

■ 90.1310, 94.8171,
92.9104

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.



76.7910, 61.8170, 23.8017



62.7676, 61.8170, 16.8073



49.6193, 61.8170, 18.6122

Triad

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



62.7676, 61.8170, 16.8073



37.4495, 61.8170, 98.9192



81.9158, 61.8170, 126.2766

Complementary

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



62.7676, 61.8170, 16.8073



31.1418, 28.1078, 98.3912

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.



68.9489, 61.8170, 165.0546



62.7676, 61.8170, 16.8073



43.7907, 61.8170, 145.4486

Square

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



62.7676, 61.8170, 16.8073



36.3237, 61.8170, 56.6830



54.9176, 61.8170, 173.1816



88.9205, 61.8170, 79.1845

Rectangle

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



62.7676, 61.8170, 16.8073



42.9538, 61.8170, 25.0543



54.9176, 61.8170, 173.1816



78.0223, 61.8170, 141.3718

Sweetspot

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



62.7690, 61.8200, 16.8085



82.6566, 86.6547, 69.4963



49.3066, 29.4362, 29.1500



17.3626, 18.1769, 13.8782



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.



62.7690, 61.8200, 16.8085



59.2065, 56.3244, 10.5964



69.6982, 88.8351, 21.6577



19.0151, 19.9984, 19.0022



29.1079, 26.2270, 3.5282



2.9352, 2.7557, 0.3772

Inverse Universe

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



31.1418, 28.1078, 98.3912



25.7797, 20.8383, 97.2712



27.4259, 16.6457, 96.3747



17.5035, 18.3786, 22.8748



11.2924, 7.4943, 50.2860



1.1957, 0.9220, 4.9282

Previews

White Background



This preview shows how the XYZ color 62.7676, 61.8170, 16.8073 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 62.7676, 61.8170, 16.8073 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 62.7676, 61.8170, 16.8073

Background



This preview shows how black text looks on a background with the XYZ color 62.7676, 61.8170, 16.8073.



This preview shows how white text looks on a background with the XYZ color 62.7676, 61.8170,

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

62.7676, 61.8170, 16.8073

Protanopia

56.6257, 62.1205, 17.8101

Deuteranopia

63.1380, 61.9652, 18.7580



Tritanopia

69.8629, 61.8253, 62.8949

Trichromacy



Original Color

62.7676, 61.8170, 16.8073

Protanomaly

58.5922, 61.7185, 17.4190

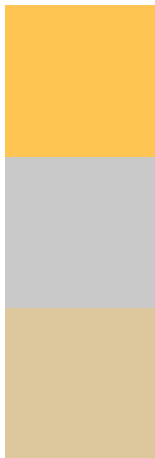
Deuteranomaly

63.0094, 61.9138, 18.0808

Tritanomaly

66.1754, 61.3936, 40.2606

Monochromacy



Original Color

62.7676, 61.8170, 16.8073

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.6446, 59.1493, 40.7792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7676, 61.8170, 16.8073 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, 83)` looks like.

```
.text, #text, p{  
  color:rgb(255, 197, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 83) }
```

Border

The CSS property to change the border of an element to XYZ 62.7676, 61.8170, 16.8073 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, 83) }
```


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

```
.border{ border-color:rgb(255, 197, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7676, 61.8170, 16.8073 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
197, 83) }
```

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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