

# Converting Colors

XYZ(63.3926, 62.9684, 17.3197)

Have a look what the booklet for  
XYZ(63.3926, 62.9684, 17.3197)  
contains.

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# Color

**XYZ(63.3031, 62.7627,  
17.3723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC755
RGB	255, 199, 85
RGB Percent	100%, 78%, 33%
CMY	0.0000, 0.2196, 0.6667
CMYK	0.00, 0.22, 0.67, 0.00
HSL	40°, 100%, 67%
HSV	40°, 67%, 100%
XYZ	63.3031, 62.7627, 17.3723
YIQ	202.7480, 69.9700, -23.5820

# Conversions

## Conversions Part 2

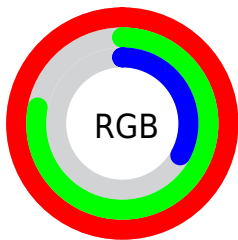
Format	Color
<a href="#">RYB</a>	<a href="#">169, 255, 85</a>
Decimal	<a href="#">16762709</a>
CIELab	<a href="#">83.32, 8.56, 62.76</a>
CIELCh	<a href="#">83, 63.343, 82.236</a>
Yxy	<a href="#">62.7627, 0.4413, 0.4376</a>
Android (android.graphics.Color)	<a href="#">4294952789</a> ( <a href="#">0xFFFFC755</a> )
YUV	<a href="#">202.7480, -58.0498, 45.8250</a>
Hunter-Lab	<a href="#">79.2229, 3.9904, 42.4547</a>

# Details

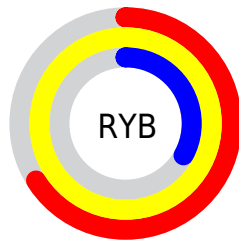
The XYZ color **63.3031, 62.7627, 17.3723** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **31.3208, 28.1999, 98.3995**, and the grayscale version is **56.9300, 59.8948, 65.2254**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **32.5831, 31.8040, 5.5201** is the 20% darker color. If you saturate the color by 10%, you get **60.5877, 58.6716, 12.3379**, and if you desaturate by 10%, it is **66.4930, 67.2192, 24.3660**.

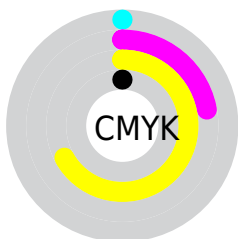
# Distribution



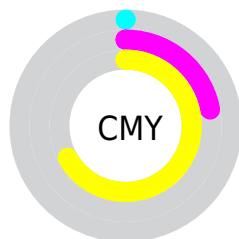
- Red (100%)
- Green (78%)
- Blue (33%)



- Red (66%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (22%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3031, 62.7627, 17.3723 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 63.3031, 62.7627, 17.3723 by changing the saturation by 10% instead.




 63.3031, 62.7627,  
17.3723

 63.3031, 62.7627,  
17.3723


426.3109,  
434.7078, 249.4250


 46.3460, 45.6493,  
10.3355


 108.6860,  
108.8271, 39.7642


 32.7247, 31.9691,  
5.5135


 137.8426,  
138.5468, 55.9564

 22.0739, 21.3379,  
2.4876


 171.7964,  
173.2375, 76.0374

 14.0281, 13.3712,  
0.8336

 210.9127,  
213.2834, 100.4259

 8.2221, 7.6847,  
0.0000

255.5570,  
259.0690, 129.5404

 4.2904, 3.8939,  
0.0000

306.0945,

 1.8677, 1.6144,

310.9786, 163.7993

0.0000

362.8907,  
369.3968, 203.6214

■ 0.5579, 0.3673,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.3031, 62.7627,  
17.3723

■ 63.3031, 62.7627,  
17.3723

■ 60.5877, 58.6716,  
12.3379

■ 66.4930, 67.2192,  
24.3660

■ 58.2992, 54.9168,  
9.0409

■ 70.1898, 72.0494,  
33.5013

■ 56.3856, 51.4771,  
7.2084

■ 74.4277, 77.2719,  
44.9435

■ 55.8043, 50.3890,  
6.7848

■ 79.2364, 82.9012,  
58.8408

84.6429, 88.9506,  
75.3286

90.6726, 95.4327,  
94.5326

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.



77.3844, 62.7627, 24.2084



63.3031, 62.7627, 17.3723



50.1838, 62.7627, 19.4332

# Triad

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



63.3031, 62.7627, 17.3723



38.3470, 62.7627, 101.2419



83.1319, 62.7627, 126.0963

# Complementary

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



63.3031, 62.7627, 17.3723



31.3208, 28.1999, 98.3995

# 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.



70.2465, 62.7627, 165.3138



63.3031, 62.7627, 17.3723



44.8626, 62.7627, 147.5316

# Square

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



63.3031, 62.7627, 17.3723



37.0753, 62.7627, 58.5969



56.1480, 62.7627, 174.3858



89.9261, 62.7627, 79.1028



# Rectangle

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



63.3031, 62.7627, 17.3723



43.5660, 62.7627, 26.1636



56.1480, 62.7627, 174.3858



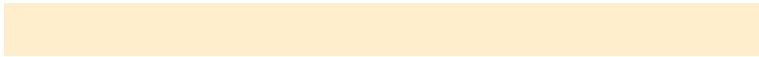
79.2829, 62.7627, 141.2672

# Sweetspot

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



63.3046, 62.7658, 17.3735



82.7724, 86.8863, 69.5349



49.3461, 29.7005, 28.5929



17.3905, 18.2327, 13.8875



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.



63.3046, 62.7658, 17.3735



59.7796, 57.3832, 11.0573



68.9731, 88.4522, 22.0328



19.0275, 20.0232, 19.0063



29.3015, 26.6143, 3.5927



2.9530, 2.7914, 0.3832



# Inverse Universe

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



31.3208, 28.1999, 98.3995



25.9164, 20.9261, 97.2809



28.1520, 17.2505, 96.4531



17.4917, 18.3549, 22.8709



11.2086, 7.3269, 50.2580



1.1864, 0.9036, 4.9251



# Previews

## White Background



This preview shows how the XYZ color 63.3031, 62.7627, 17.3723 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 63.3031, 62.7627, 17.3723 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 63.3031, 62.7627, 17.3723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.3031, 62.7627, 17.3723.



This preview shows how white text looks on a background with the XYZ color 63.3031, 62.7627,



# 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

63.3031, 62.7627, 17.3723

### Protanopia

57.2723, 62.8053, 18.3366

### Deuteranopia

63.7830, 62.5878, 21.0308



## Tritanopia

70.5315, 62.7859, 64.2786

# Trichromacy



## Original Color

63.3031, 62.7627, 17.3723

## Protanomaly

59.4868, 62.8760, 18.0178

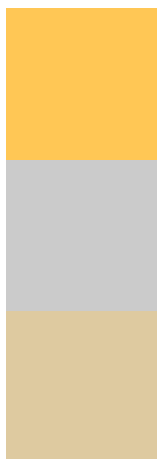
## Deuteranomaly

63.4996, 62.4744, 19.5384

## Tritanomaly

66.7898, 62.3468, 41.3148

# Monochromacy



## Original Color

63.3031, 62.7627, 17.3723

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

57.5899, 60.3087, 41.8631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.3031, 62.7627, 17.3723 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, 199, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 85)  
}
```

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, 199, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 63.3031, 62.7627, 17.3723 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, 199, 85) }
```



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

```
.border{ border-color:rgb(255, 199, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 199, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.3031, 62.7627, 17.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 85) }
```

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

```
.background{ background-color: rgb(255,  
199, 85) }
```

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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