

Converting Colors

XYZ(63.0280, 62.6562, 15.9130)

Have a look what the booklet for
XYZ(63.0280, 62.6562, 15.9130)
contains.

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Color

**XYZ(63.0386, 62.6569,
15.9792)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC74E
RGB	255, 199, 78
RGB Percent	100%, 78%, 31%
CMY	0.0000, 0.2196, 0.6941
CMYK	0.00, 0.22, 0.69, 0.00
HSL	41°, 100%, 65%
HSV	41°, 69%, 100%
XYZ	63.0386, 62.6569, 15.9792
YIQ	201.9500, 72.2170, -25.7590

Conversions

Conversions Part 2

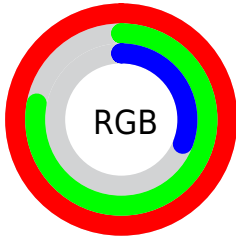
Format	Color
R_{YB}	160, 255, 78
Decimal	16762702
CIE _{Lab}	83.26, 8.19, 65.65
CIE _{LCh}	83, 66.155, 82.890
Yxy	62.6569, 0.4450, 0.4423
Android (android.graphics.Color)	4294952782 (0xFFFFC74E)
YUV	201.9500, -61.1073, 46.5249
Hunter-Lab	79.1561, 3.6312, 43.4404

Details

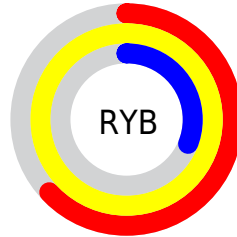
The XYZ color **63.0386, 62.6569, 15.9792** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **29.7167, 25.8890, 98.0381**, and the grayscale version is **56.4471, 59.3867, 64.6721**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **32.4528, 31.7518, 4.8337** is the 20% darker color. If you saturate the color by 10%, you get **60.4887, 58.7478, 11.4600**, and if you desaturate by 10%, it is **66.0440, 66.9107, 22.3990**.

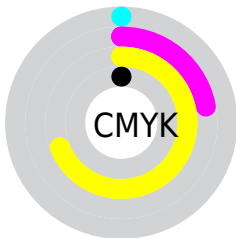
Distribution



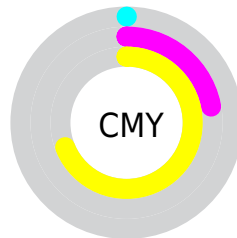
- Red (100%)
- Green (78%)
- Blue (31%)



- Red (63%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (22%)
- Yellow (69%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0386, 62.6569, 15.9792 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 63.0386, 62.6569, 15.9792 by changing the saturation by 10% instead.


 63.0386, 62.6569,
15.9792


 63.0386, 62.6569,
15.9792


425.3670,
434.3232, 241.0605


 46.1312, 45.5637,
9.3552


 108.3067,
108.6744, 37.3284

 32.5544, 31.9017,
4.8736


 137.3981,
138.3674, 52.8907

 21.9429, 21.2864,
2.1159


 171.2816,
173.0292, 72.2695

 13.9313, 13.3335,
0.6252

 210.3224,
213.0442, 95.8834

 8.1543, 7.6586,
0.0000

 254.8860,
258.7967, 124.1509

 4.2465, 3.8773,
0.0000

305.3378,

 1.8425, 1.6052,

310.6711, 157.4906

0.0000

362.0430,
369.0518, 196.3209

■ 0.5431, 0.3611,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0386, 62.6569,
15.9792

■ 63.0386, 62.6569,
15.9792

■ 60.4887, 58.7478,
11.4600

■ 66.0440, 66.9107,
22.3990

■ 58.3450, 55.1536,
8.6077

■ 69.5387, 71.5175,
30.9093

■ 56.5403, 51.8477,
7.0708

■ 73.5577, 76.4961,
41.6805

■ 56.4397, 51.6598,
6.9966

■ 78.1311, 81.8609,
54.8646

■ 83.2866, 87.6251,
70.6003

■ 89.0498, 93.8011,
89.0157

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.



77.8241, 62.6569, 22.5809



63.0386, 62.6569, 15.9792



49.4417, 62.6569, 18.2119

Triad

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



63.0386, 62.6569, 15.9792



37.5571, 62.6569, 103.8545



84.4118, 62.6569, 127.9550

Complementary

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



63.0386, 62.6569, 15.9792



29.7167, 25.8890, 98.0381

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.



70.9577, 62.6569, 170.1445



63.0386, 62.6569, 15.9792



44.3927, 62.6569, 152.7637

Square

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



63.0386, 62.6569, 15.9792



36.1320, 62.6569, 58.8913



56.1993, 62.6569, 180.6940



91.3870, 62.6569, 78.4912

Rectangle

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



63.0386, 62.6569, 15.9792



42.6614, 62.6569, 25.1246



56.1993, 62.6569, 180.6940



80.4027, 62.6569, 144.1537

Sweetspot

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



63.0400, 62.6600, 15.9804



82.4275, 86.6820, 67.9232



48.2712, 28.4319, 25.5171



17.3311, 18.2080, 13.5771



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.



63.0400, 62.6600, 15.9804



59.6752, 57.4225, 10.2577



67.4281, 87.6863, 20.5797



19.0482, 20.0645, 19.0132



29.6313, 27.2738, 3.7026



2.9833, 2.8521, 0.3933

Inverse Universe

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



29.7167, 25.8890, 98.0381



24.6699, 18.9591, 96.9670



27.2615, 16.0134, 96.2613



17.4719, 18.3155, 22.8643



11.0738, 7.0572, 50.2131



1.1714, 0.8736, 4.9201

Previews

White Background



This preview shows how the XYZ color 63.0386, 62.6569, 15.9792 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 63.0386, 62.6569, 15.9792 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 63.0386, 62.6569, 15.9792

Background



This preview shows how black text looks on a background with the XYZ color 63.0386, 62.6569, 15.9792.



This preview shows how white text looks on a background with the XYZ color 63.0386, 62.6569,

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

63.0386, 62.6569, 15.9792

Protanopia

57.3198, 62.8616, 16.8970

Deuteranopia

63.6387, 62.5300, 20.2707



Tritanopia

70.5315, 62.7859, 64.2786

Trichromacy



Original Color

63.0386, 62.6569, 15.9792

Protanomaly

59.2145, 62.7671, 16.5837

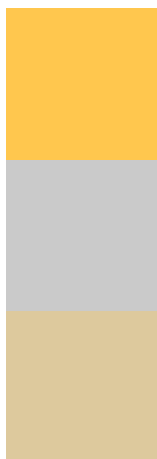
Deuteranomaly

63.3224, 62.4035, 18.6052

Tritanomaly

66.6176, 62.2779, 40.4080

Monochromacy



Original Color

63.0386, 62.6569, 15.9792

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.7912, 59.5798, 40.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0386, 62.6569, 15.9792 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 78) }
```

Border

The CSS property to change the border of an element to XYZ 63.0386, 62.6569, 15.9792 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, 78) }
```


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

```
.border{ border-color:rgb(255, 199, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0386, 62.6569, 15.9792 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
199, 78) }
```

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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