

Converting Colors

XYZ(63.1138, 62.3201, 17.5066)

Have a look what the booklet for
XYZ(63.1138, 62.3201, 17.5066)
contains.

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Color

**XYZ(63.1138, 62.3201,
17.5066)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC656
RGB	255, 198, 86
RGB Percent	100%, 78%, 34%
CMY	0.0000, 0.2235, 0.6627
CMYK	0.00, 0.22, 0.66, 0.00
HSL	40°, 100%, 67%
HSV	40°, 66%, 100%
XYZ	63.1138, 62.3201, 17.5066
YIQ	202.2750, 69.9240, -22.7480

Conversions

Conversions Part 2

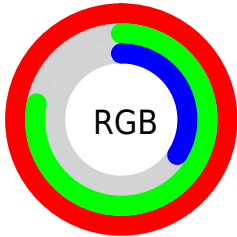
Format	Color
R_{YB}	172, 255, 86
Decimal	16762454
CIE Lab	83.08, 9.13, 62.08
CIE LCh	83, 62.747, 81.634
Yxy	62.3201, 0.4415, 0.4360
Android (android.graphics.Color)	4294952534 (0xFFFFC656)
YUV	202.2750, -57.3236, 46.2398
Hunter-Lab	78.9431, 4.5577, 42.1119

Details

The XYZ color **63.1138, 62.3201, 17.5066** 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 **31.7097, 28.8421, 98.5029**, and the grayscale version is **56.6287, 59.5778, 64.8802**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **32.4432, 31.5046, 5.5334** is the 20% darker color. If you saturate the color by 10%, you get **60.3541, 58.1622, 12.3905**, and if you desaturate by 10%, it is **66.3544, 66.8539, 24.5914**.

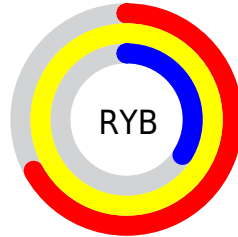
Distribution



Red (100%)

Green (78%)

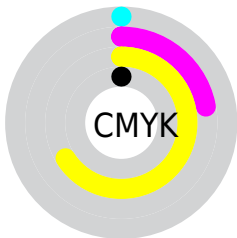
Blue (34%)



Red (67%)

Yellow (100%)

Blue (34%)

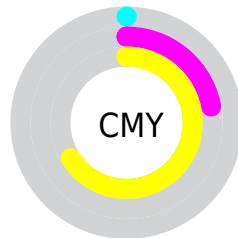


Cyan (0%)

Magenta (22%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1138, 62.3201, 17.5066 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 63.1138, 62.3201, 17.5066 by changing the saturation by 10% instead.


 63.1138, 62.3201,
17.5066


 63.1138, 62.3201,
17.5066


425.6355,
433.0978, 250.2171


 46.1923, 45.2914,
10.4306


 108.4146,
108.1880, 39.9973


 32.6028, 31.6870,
5.5760


 137.5245,
137.7960, 56.2490

 21.9801, 21.1225,
2.5245


 171.4280,
172.3660, 76.3964

 13.9588, 13.2136,
0.8531

 210.4903,
212.2822, 100.8580

 8.1735, 7.5758,
0.0000

255.0769,
257.9290, 130.0523

 4.2589, 3.8247,
0.0000

305.5530,

 1.8496, 1.5760,

309.6910, 164.3979

0.0000

362.2841,
367.9524, 204.3133

■ 0.5473, 0.3413,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1138, 62.3201,
17.5066

■ 63.1138, 62.3201,
17.5066

■ 60.3541, 58.1622,
12.3905

■ 66.3544, 66.8539,
24.5914

■ 58.0280, 54.3508,
9.0227

■ 70.1083, 71.7720,
33.8263

■ 56.0840, 50.8650,
7.1349

■ 74.4096, 77.0934,
45.3760

■ 55.4283, 49.6370,
6.6595

■ 79.2880, 82.8325,
59.3880

■ 84.7707, 89.0031,
75.9974

■ 90.8830, 95.6177,
95.3295

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.



76.9608, 62.3201, 24.4936



63.1138, 62.3201, 17.5066



50.1200, 62.3201, 19.3819

Triad

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



63.1138, 62.3201, 17.5066



38.1282, 62.3201, 99.3235



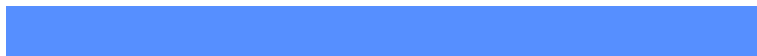
82.1521, 62.3201, 125.6494

Complementary

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



63.1138, 62.3201, 17.5066



31.7097, 28.8421, 98.5029

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.



69.3895, 62.3201, 163.7913



63.1138, 62.3201, 17.5066



44.4615, 62.3201, 144.9849

Square

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



63.1138, 62.3201, 17.5066



36.9760, 62.3201, 57.5480



55.5154, 62.3201, 171.9696



88.9999, 62.3201, 79.3267

Rectangle

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



63.1138, 62.3201, 17.5066



43.5261, 62.3201, 25.9095



55.5154, 62.3201, 171.9696



78.3268, 62.3201, 140.4855

Sweetspot

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



63.1152, 62.3231, 17.5078



82.6556, 86.6527, 69.4960



49.6903, 29.9650, 30.0143



17.3624, 18.1764, 13.8781



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.



63.1152, 62.3231, 17.5078



59.4392, 56.7024, 10.9438



69.9605, 88.9566, 22.2878



19.0150, 19.9982, 19.0022



29.1063, 26.2238, 3.5276



2.9350, 2.7554, 0.3772

Inverse Universe

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



31.7097, 28.8421, 98.5029



26.1073, 21.3080, 97.3446



27.9779, 17.2785, 96.4676



17.5036, 18.3788, 22.8749



11.2931, 7.4957, 50.2862



1.1957, 0.9222, 4.9282

Previews

White Background



This preview shows how the XYZ color 63.1138, 62.3201, 17.5066 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 63.1138, 62.3201, 17.5066 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 63.1138, 62.3201, 17.5066

Background



This preview shows how black text looks on a background with the XYZ color 63.1138, 62.3201, 17.5066.



This preview shows how white text looks on a background with the XYZ color 63.1138, 62.3201,

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

63.1138, 62.3201, 17.5066

Protanopia

56.7491, 62.1699, 18.4602

Deuteranopia

63.5918, 62.5112, 20.0235



Tritanopia

70.1961, 62.3040, 63.5845

Trichromacy



Original Color

63.1138, 62.3201, 17.5066

Protanomaly

58.9509, 62.2410, 18.1392

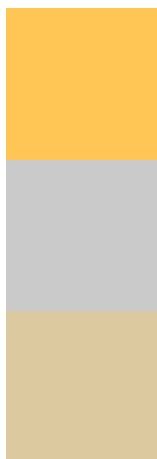
Deuteranomaly

63.4099, 62.4385, 19.0657

Tritanomaly

66.5680, 61.9031, 41.2409

Monochromacy



Original Color

63.1138, 62.3201, 17.5066

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

57.0506, 59.6835, 41.7709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1138, 62.3201, 17.5066 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, 198, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 86)  
}
```

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, 198, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 86) }
```

Border

The CSS property to change the border of an element to XYZ 63.1138, 62.3201, 17.5066 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, 198, 86) }
```


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

```
.border{ border-color:rgb(255, 198, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1138, 62.3201, 17.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 86) }
```

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

```
.background{ background-color: rgb(255,  
198, 86) }
```

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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