

Converting Colors

XYZ(84.5075, 73.6443, 20.3692)

Have a look what the booklet for
XYZ(84.5075, 73.6443, 20.3692)
contains.

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Color

**XYZ(63.6838, 62.9150,
19.3770)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC75E
RGB	255, 199, 94
RGB Percent	100%, 78%, 37%
CMY	0.0000, 0.2196, 0.6314
CMYK	0.00, 0.22, 0.63, 0.00
HSL	39°, 100%, 68%
HSV	39°, 63%, 100%
XYZ	63.6838, 62.9150, 19.3770
YIQ	203.7740, 67.0810, -20.7830

Conversions

Conversions Part 2

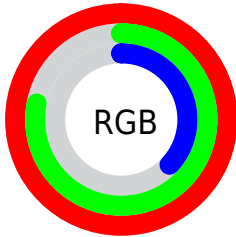
Format	Color
R _Y B	180, 255, 94
Decimal	16762718
CIE Lab	83.40, 9.08, 58.88
CIE LCh	83, 59.575, 81.229
Yxy	62.9150, 0.4363, 0.4310
Android (android.graphics.Color)	4294952798 (0xFFFFC75E)
YUV	203.7740, -54.1186, 44.9252
Hunter-Lab	79.3190, 4.5063, 41.0392

Details

The XYZ color **63.6838, 62.9150, 19.3770** 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 **33.5720, 31.4111, 98.9007**, and the grayscale version is **57.5545, 60.5518, 65.9409**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **33.0141, 32.0061, 6.4452** is the 20% darker color. If you saturate the color by 10%, you get **60.7420, 58.5702, 13.6534**, and if you desaturate by 10%, it is **67.1253, 67.6549, 27.1324**.

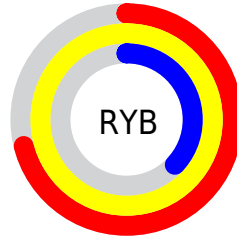
Distribution



Red (100%)

Green (78%)

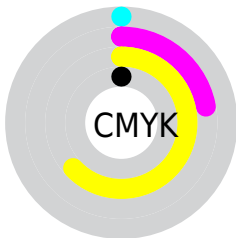
Blue (37%)



Red (71%)

Yellow (100%)

Blue (37%)

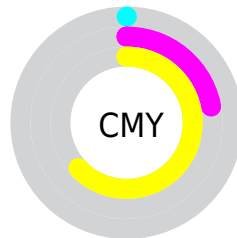


Cyan (0%)

Magenta (22%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6838, 62.9150, 19.3770 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 63.6838, 62.9150, 19.3770 by changing the saturation by 10% instead.


 63.6838, 62.9150,
19.3770

 63.6838, 62.9150,
19.3770


427.6672,
435.2609, 261.0139


 46.6553, 45.7724,
11.7634


 109.2317,
109.0469, 43.2153


 32.9701, 32.0663,
6.4622


 138.4819,
138.8050, 60.2772

 22.2626, 21.4121,
3.0548


 172.5367,
173.5371, 81.3255

 14.1677, 13.4256,
1.1227

 211.7614,
213.6275, 106.7789

 8.3199, 7.7223,
0.0000

256.5215,
259.4607, 137.0559

 4.3538, 3.9177,
0.0000

307.1822,

 1.9042, 1.6277,

311.4211, 172.5751

0.0000

364.1090,
369.8931, 213.7549

■ 0.5793, 0.3761,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6838, 62.9150,
19.3770

■ 63.6838, 62.9150,
19.3770

■ 60.7420, 58.5702,
13.6534

■ 67.1253, 67.6549,
27.1324

■ 58.2546, 54.5918,
9.7527

■ 71.0977, 72.7981,
37.0935

■ 56.1739, 50.9599,
7.4268

■ 75.6342, 78.3634,
49.4194

■ 54.9331, 48.6465,
6.4944

■ 80.7639, 84.3655,
64.2537

■ 86.5133, 90.8178,
81.7282

■ 92.9077, 97.7334,
101.9656

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.



76.8196, 62.9150, 26.5361



63.6838, 62.9150, 19.3770



51.2132, 62.9150, 21.1580

Triad

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



63.6838, 62.9150, 19.3770



39.4298, 62.9150, 97.7659



81.4325, 62.9150, 123.6869

Complementary

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



63.6838, 62.9150, 19.3770



33.5720, 31.4111, 98.9007

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.



69.2940, 62.9150, 159.0079



63.6838, 62.9150, 19.3770



45.4985, 62.9150, 140.6647

Square

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



63.6838, 62.9150, 19.3770



38.3779, 62.9150, 58.1773



56.0751, 62.9150, 166.1467



87.9960, 62.9150, 79.9851

Rectangle

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



63.6838, 62.9150, 19.3770



44.8186, 62.9150, 27.5969



56.0751, 62.9150, 166.1467



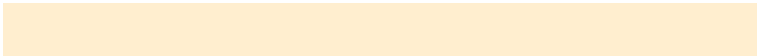
77.7925, 62.9150, 137.5057

Sweetspot

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



63.6853, 62.9181, 19.3782



83.0657, 86.9793, 71.1541



50.7761, 31.4792, 32.4028



17.4364, 18.2285, 14.1981



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.



63.6853, 62.9181, 19.3782



59.9853, 57.3943, 12.3598



70.6869, 89.2917, 24.0998



18.9983, 19.9648, 18.9966



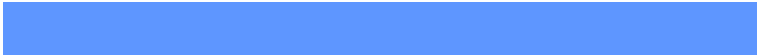
28.8490, 25.7092, 3.4419



2.9112, 2.7078, 0.3692

Inverse Universe

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



33.5720, 31.4111, 98.9007



27.7846, 23.8141, 97.7399



29.5448, 19.0882, 96.7344



17.5196, 18.4109, 22.8802



11.4099, 7.7294, 50.3251



1.2085, 0.9477, 4.9325

Previews

White Background



This preview shows how the XYZ color 63.6838, 62.9150, 19.3770 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 63.6838, 62.9150, 19.3770 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 63.6838, 62.9150, 19.3770

Background



This preview shows how black text looks on a background with the XYZ color 63.6838, 62.9150, 19.3770.



This preview shows how white text looks on a background with the XYZ color 63.6838, 62.9150,

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

63.6838, 62.9150, 19.3770

Protanopia

57.6685, 62.9637, 20.4230

Deuteranopia

64.2132, 63.1268, 22.1649



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

63.6838, 62.9150, 19.3770

Protanomaly

59.8778, 63.0324, 20.0769

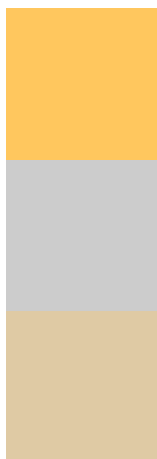
Deuteranomaly

64.0124, 63.0464, 21.1073

Tritanomaly

67.1426, 62.4879, 43.1729

Monochromacy



Original Color

63.6838, 62.9150, 19.3770

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

58.2528, 60.6094, 43.7505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6838, 62.9150, 19.3770 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 94) }
```

Border

The CSS property to change the border of an element to XYZ 63.6838, 62.9150, 19.3770 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, 94) }
```


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

```
.border{ border-color:rgb(255, 199, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6838, 62.9150, 19.3770 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, 94) }
```

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

```
.background{ background-color: rgb(255,  
199, 94) }
```

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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