

# Converting Colors

XYZ(62.4895, 63.7434, 19.5662)

Have a look what the booklet for  
XYZ(62.4895, 63.7434, 19.5662)  
contains.

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# Color

**XYZ(62.4432, 63.6598,  
19.5861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9CB5E
RGB	249, 203, 94
RGB Percent	98%, 80%, 37%
CMY	0.0235, 0.2039, 0.6314
CMYK	0.00, 0.18, 0.62, 0.02
HSL	42°, 93%, 67%
HSV	42°, 62%, 98%
XYZ	62.4432, 63.6598, 19.5861
YIQ	204.3280, 62.4050, -24.1470

# Conversions

## Conversions Part 2

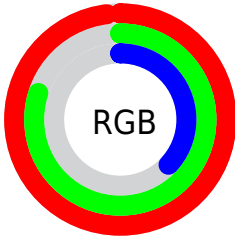
Format	Color
<a href="#">RYB</a>	<a href="#">159, 249, 94</a>
Decimal	<a href="#">16370526</a>
CIELab	<a href="#">83.79, 4.54, 59.15</a>
CIELCh	<a href="#">84, 59.323, 85.610</a>
Yxy	<a href="#">63.6598, 0.4286, 0.4370</a>
Android (android.graphics.Color)	<a href="#">4294560606</a> ( <a href="#">0xFFFF9CB5E</a> )
YUV	<a href="#">204.3280, -54.3917, 39.1773</a>
Hunter-Lab	<a href="#">79.7871, 0.0708, 41.2965</a>

# Details

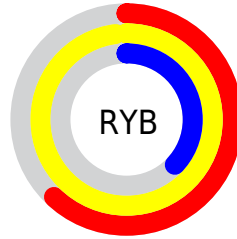
The XYZ color **62.4432, 63.6598, 19.5861** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **31.0926, 27.9742, 93.3827**, and the grayscale version is **57.9095, 60.9253, 66.3476**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **32.1167, 32.4669, 6.5815** is the 20% darker color. If you saturate the color by 10%, you get **59.7979, 59.8784, 14.0530**, and if you desaturate by 10%, it is **65.5349, 67.7578, 27.0467**.

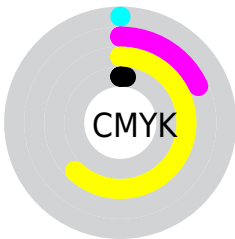
# Distribution



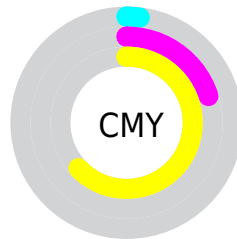
- Red (98%)
- Green (80%)
- Blue (37%)



- Red (62%)
- Yellow (98%)
- Blue (37%)



- Cyan (0%)
- Magenta (18%)
- Yellow (62%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4432, 63.6598, 19.5861 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 62.4432, 63.6598, 19.5861 by changing the saturation by 10% instead.





 62.4432, 63.6598,  
19.5861


 62.4432, 63.6598,  
19.5861


423.2378,  
437.9601, 262.1952


 45.6479, 46.3752,  
11.9135


 107.4522,  
110.1208, 43.5720


 32.1715, 32.5420,  
6.5629


 136.3965,  
140.0661, 60.7223

 21.6487, 21.7758,  
3.1160


 170.1212,  
175.0003, 81.8689

 13.7141, 13.6923,  
1.1542

 208.9916,  
215.3079, 107.4303

 8.0025, 7.9069,  
0.0000

253.3731,  
261.3733, 137.8251

 4.1484, 4.0355,  
0.0000

303.6311,

 1.7864, 1.6934,

313.5808, 173.4718

0.0000

360.1308,  
372.3150, 214.7890

■ 0.5095, 0.4194,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4432, 63.6598,  
19.5861

■ 62.4432, 63.6598,  
19.5861

■ 59.7979, 59.8784,  
14.0530

■ 65.5349, 67.7578,  
27.0467

■ 57.5574, 56.3876,  
10.2532

■ 69.1010, 72.1780,  
36.5964

■ 55.6783, 53.1707,  
7.9582

■ 73.1721, 76.9368,  
48.3837

■ 54.4186, 50.8436,  
6.9456

■ 77.7745, 82.0465,  
62.5427

82.9327, 87.5186,  
79.1968

88.6695, 93.3638,  
98.4607

92.7896, 98.7056,  
108.7693

92.8766, 98.8796,  
108.7983

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7774, 63.6598, 25.3854



62.4432, 63.6598, 19.5861



50.3174, 63.6598, 22.6787

# Triad

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



62.4432, 63.6598, 19.5861



40.6222, 63.6598, 105.1556



83.6071, 63.6598, 118.2110

# Complementary

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



62.4432, 63.6598, 19.5861



31.0926, 27.9742, 93.3827

# 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.



71.9863, 63.6598, 156.1574



62.4432, 63.6598, 19.5861



47.4392, 63.6598, 146.9151

# Square

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



62.4432, 63.6598, 19.5861



38.8200, 63.6598, 63.9705



58.6107, 63.6598, 168.1986



89.0590, 63.6598, 74.9486



# Rectangle

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



62.4432, 63.6598, 19.5861



44.3216, 63.6598, 30.2833



58.6107, 63.6598, 168.1986



80.2183, 63.6598, 132.5418

# Sweetspot

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



62.4447, 63.6629, 19.5874



83.7914, 88.4308, 71.3960



47.8403, 30.0538, 28.2849



17.6128, 18.5814, 14.2569



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.



62.4447, 63.6629, 19.5874



62.4096, 62.1298, 13.5162



64.8094, 83.4645, 23.2848



18.2670, 19.2699, 18.2191



29.2593, 27.4753, 3.7611



2.8021, 2.7291, 0.3791



# Inverse Universe

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



31.0926, 27.9742, 93.3827



26.9249, 21.8552, 97.4071



29.5595, 19.2056, 91.7710



16.7028, 17.4824, 21.8794



10.5666, 6.4888, 48.6691



1.0666, 0.7769, 4.5369



# Previews

## White Background



This preview shows how the XYZ color 62.4432, 63.6598, 19.5861 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 62.4432, 63.6598, 19.5861 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 62.4432, 63.6598, 19.5861

## Background



This preview shows how black text looks on a background with the XYZ color 62.4432, 63.6598, 19.5861.



This preview shows how white text looks on a background with the XYZ color 62.4432, 63.6598,



# 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

62.4432, 63.6598, 19.5861

### Protanopia

58.1905, 63.6013, 20.2756

### Deuteranopia

64.7087, 63.6943, 23.6356



## Tritanopia

71.2302, 63.4155, 66.8787

# Trichromacy



**Original Color**

62.4432, 63.6598, 19.5861

**Protanomaly**

59.6383, 63.6290, 19.9648

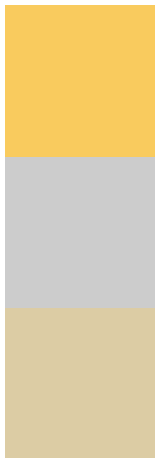
**Deuteranomaly**

63.8933, 63.6554, 22.0159

**Tritanomaly**

67.0395, 63.0791, 44.2394

# Monochromacy



**Original Color**

62.4432, 63.6598, 19.5861

**Achromatopsia**

57.3938, 60.3827, 65.7568

**Achromatomaly**

57.8089, 61.0817, 43.8651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4432, 63.6598, 19.5861 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(249, 203, 94)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 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(249, 203, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4432, 63.6598, 19.5861 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(249, 203, 94) }
```



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

```
.border{ border-color:rgb(249, 203, 94) }
```

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

Here you see how a box with a 4 pixel rgb(249, 203, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 94);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4432, 63.6598, 19.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 94) }
```

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

```
.background{ background-color: rgb(249,  
203, 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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