

# Converting Colors

XYZ(74.9716, 81.9410, 62.7498)

Have a look what the booklet for  
XYZ(74.9716, 81.9410, 62.7498)  
contains.

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# Color

**XYZ(74.9930, 82.0631,  
62.9261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEC2
RGB	238, 236, 194
RGB Percent	93%, 93%, 76%
CMY	0.0667, 0.0745, 0.2392
CMYK	0.00, 0.01, 0.18, 0.07
HSL	57°, 56%, 85%
HSV	57°, 18%, 93%
XYZ	74.9930, 82.0631, 62.9261
YIQ	231.8100, 14.6740, -12.6380

# Conversions

## Conversions Part 2

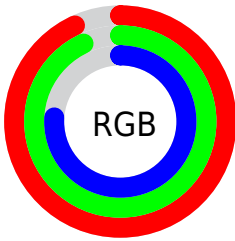
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 238, 194
Decimal	15658178
CIE Lab	92.60, -6.09, 20.65
CIE LCh	93, 21.534, 106.432
Yxy	82.0631, 0.3409, 0.3730
Android (android.graphics.Color)	4293848258 (0xFFEEEC2)
YUV	231.8100, -18.6403, 5.4286
Hunter-Lab	90.5887, -10.7606, 22.2272

# Details

The XYZ color **74.9930, 82.0631, 62.9261** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.4206, 57.1211, 88.8887**, and the grayscale version is **76.6888, 80.6826, 87.8634**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **40.3463, 44.4810, 31.2702** is the 20% darker color. If you saturate the color by 10%, you get **72.2224, 80.4620, 49.8546**, and if you desaturate by 10%, it is **78.1980, 83.8465, 78.2564**.

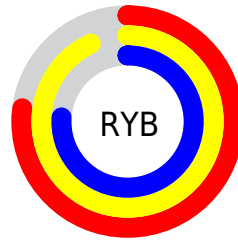
# Distribution



Red (93%)

Green (93%)

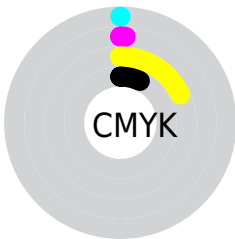
Blue (76%)



Red (77%)

Yellow (93%)

Blue (76%)

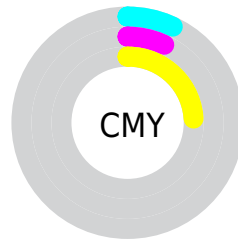


Cyan (0%)

Magenta (1%)

Yellow (18%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9930, 82.0631, 62.9261 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 74.9930, 82.0631, 62.9261 by changing the saturation by 10% instead.



74.9930, 82.0631,  
62.9261

74.9930, 82.0631,  
62.9261

466.8911,  
501.8587, 453.4018

55.9013, 61.4175,  
45.3408

125.2904,  
136.2625, 110.6474

40.3605, 44.5622,  
31.3811

157.2268,  
170.5851, 141.6206

28.0052, 31.1128,  
20.6283

194.1756,  
210.2355, 177.8934

18.4700, 20.6847,  
12.6640

236.5020,  
255.5982, 219.8844

11.3897, 12.8937,  
7.0696

284.5713,  
307.0574, 268.0123

6.3988, 7.3554,  
3.4265

338.7491,

3.1320, 3.6854,

364.9977, 322.6954

1.3163

399.4005,  
429.8033, 384.3524

■ 1.2240, 1.4992,  
0.0751

■ 0.1252, 0.2881,  
0.0000

■ 74.9930, 82.0631,  
62.9261

■ 74.9930, 82.0631,  
62.9261

■ 72.2224, 80.4620,  
49.8546

■ 78.1980, 83.8465,  
78.2564

■ 69.8593, 79.0241,  
38.9295

■ 81.8498, 85.8089,  
95.9402

■ 67.8839, 77.7443,  
30.0367

■ 84.2480, 87.2728,  
107.0127

■ 66.2721, 76.6129,  
23.0496

■ 84.5653, 87.9074,  
107.1185

64.9972, 75.6193,  
17.8271

84.8845, 88.5458,  
107.2249

64.0287, 74.7512,  
14.2090

85.2055, 89.1880,  
107.3319

63.3307, 73.9942,  
12.0059

85.5285, 89.8340,  
107.4396

62.8512, 73.3277,  
10.9445

85.8534, 90.4838,  
107.5479

62.7867, 73.2303,  
10.8257

86.1802, 91.1373,  
107.6568

# Harmonies

## Analogous

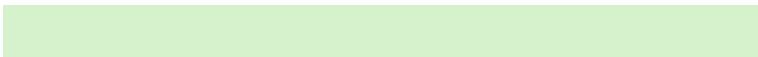
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5510, 82.0631, 62.6109



74.9930, 82.0631, 62.9261



70.4564, 82.0631, 69.7457

# Triad

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



74.9930, 82.0631, 62.9261



70.8125, 82.0631, 113.6020



88.9371, 82.0631, 96.7815

# Complementary

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



74.9930, 82.0631, 62.9261



57.4206, 57.1211, 88.8887

# Split Complementary

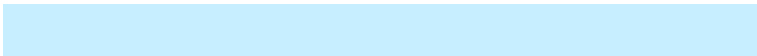
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0606, 82.0631, 112.3279



74.9930, 82.0631, 62.9261



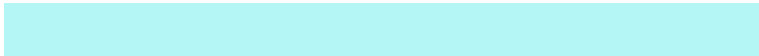
75.5005, 82.0631, 122.7949

# Square

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



74.9930, 82.0631, 62.9261



68.1230, 82.0631, 98.3601



81.0833, 82.0631, 122.3025



88.7851, 82.0631, 80.9128

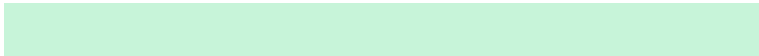


# Rectangle

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



74.9930, 82.0631, 62.9261



68.5425, 82.0631, 77.5850



81.0833, 82.0631, 122.3025



88.2866, 82.0631, 102.2540

# Sweetspot

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



74.9952, 82.0667, 62.9278



92.4627, 98.6116, 96.3653



64.5392, 60.7564, 60.6707



19.7330, 21.0756, 20.3472



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

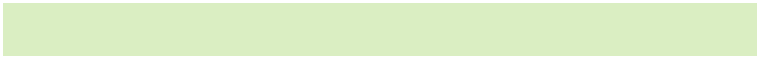
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9952, 82.0667, 62.9278



86.4911, 95.2867, 67.8056



69.2863, 79.9812, 62.8262



17.0579, 18.3289, 16.7885



35.0551, 40.9083, 6.0485



2.9351, 3.4409, 0.5095



# Inverse Universe

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



57.4206, 57.1211, 88.8887



62.5669, 61.3289, 103.1478



62.3986, 59.0238, 88.9936



14.9547, 15.3436, 19.8950



8.7002, 3.6246, 45.3689

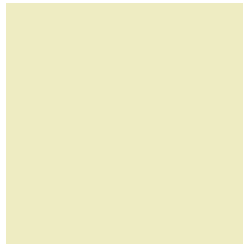


0.7439, 0.3417, 3.7810



# Previews

## White Background



This preview shows how the XYZ color 74.9930, 82.0631, 62.9261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

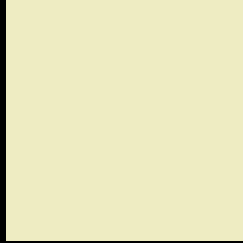
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9930, 82.0631, 62.9261 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

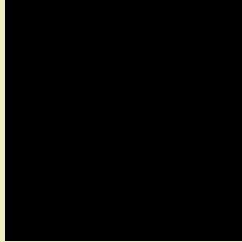
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

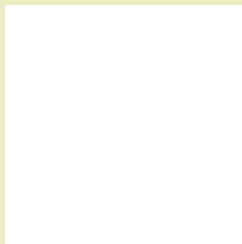
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 74.9930, 82.0631, 62.9261

## Background



This preview shows how black text looks on a background with the XYZ color 74.9930, 82.0631, 62.9261.



This preview shows how white text looks on a background with the XYZ color 74.9930, 82.0631,



# 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

74.9930, 82.0631, 62.9261

### Protanopia

77.1223, 81.9022, 62.1960

### Deuteranopia

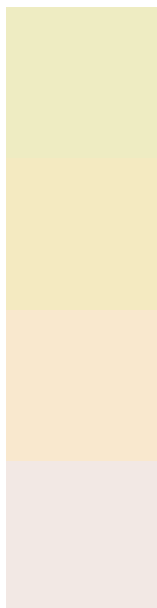
81.2696, 82.1027, 74.5148



## Tritanopia

82.4640, 82.1665, 99.5091

# Trichromacy



## Original Color

74.9930, 82.0631, 62.9261

## Protanomaly

76.3567, 81.9290, 62.2415

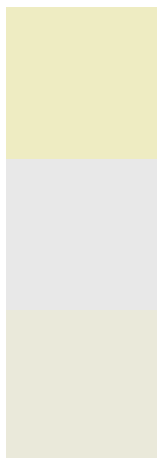
## Deuteranomaly

79.0641, 82.3092, 70.1127

## Tritanomaly

79.4782, 82.1919, 85.0745

# Monochromacy



## Original Color

74.9930, 82.0631, 62.9261

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.7255, 80.8322, 77.9407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9930, 82.0631, 62.9261 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(238, 236, 194)` looks like.

```
.text, #text, p{  
    color:rgb(238, 236, 194)  
}
```

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(238, 236, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 236, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9930, 82.0631, 62.9261 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(238, 236, 194) }
```



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

```
.border{ border-color:rgb(238, 236, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 236, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 236, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 236, 194);  
box-shadow:4px 4px 4px 4px rgb(238, 236,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9930, 82.0631, 62.9261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 236, 194) }
```

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

```
.background{ background-color: rgb(238,  
236, 194) }
```

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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