

# Converting Colors

XYZ(61.6836, 72.5407, 24.6894)

Have a look what the booklet for  
XYZ(61.6836, 72.5407, 24.6894)  
contains.

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# Color

**XYZ(61.7613, 72.7171,  
24.6906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E46B
RGB	226, 228, 107
RGB Percent	89%, 89%, 42%
CMY	0.1137, 0.1059, 0.5804
CMYK	0.01, 0.00, 0.53, 0.11
HSL	61°, 69%, 66%
HSV	61°, 53%, 89%
XYZ	61.7613, 72.7171, 24.6906
YIQ	213.6080, 37.6490, -38.0550

# Conversions

## Conversions Part 2

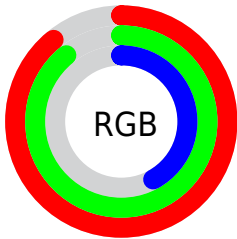
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 228, 109
Decimal	14869611
CIELab	88.31, -16.55, 57.89
CIELCh	88, 60.207, 105.954
Yxy	72.7171, 0.3880, 0.4569
Android (android.graphics.Color)	4293059691 (0xFFE2E46B)
YUV	213.6080, -52.5577, 10.8678
Hunter-Lab	85.2743, -19.9486, 42.5250

# Details

The XYZ color **61.7613, 72.7171, 24.6906** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.5704, 19.3698, 75.7942**, and the grayscale version is **63.9789, 67.3108, 73.3014**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **31.7346, 38.4690, 9.1208** is the 20% darker color. If you saturate the color by 10%, you get **60.5988, 72.2411, 19.1793**, and if you desaturate by 10%, it is **63.2438, 73.3265, 31.8704**.

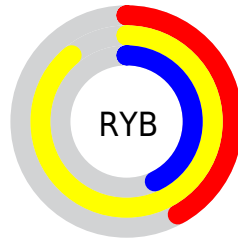
# Distribution



Red (89%)

Green (89%)

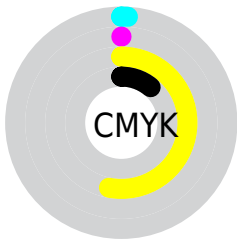
Blue (42%)



Red (42%)

Yellow (89%)

Blue (43%)

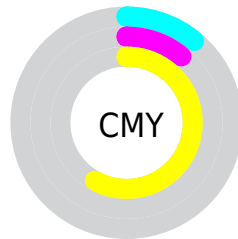


Cyan (1%)

Magenta (0%)

Yellow (53%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7613, 72.7171, 24.6906 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 61.7613, 72.7171, 24.6906 by changing the saturation by 10% instead.



61.7613, 72.7171,  
24.6906

61.7613, 72.7171,  
24.6906

420.7913,  
470.0337, 289.6918

45.0947, 53.7447,  
15.6298

106.4724,  
123.0755, 52.1127

31.7336, 38.3976,  
9.1110

135.2475,  
155.2303, 71.3111

21.3127, 26.2914,  
4.7159

168.7896,  
192.5480, 94.7257

13.4665, 17.0418,  
2.0257

207.4640,  
235.4129, 122.7752

7.8298, 10.2643,  
0.5710

251.6360,  
284.2096, 155.8780

4.0371, 5.5745,  
0.0000

301.6710,

1.7231, 2.5881,

339.3224, 194.4526

0.0000

357.9343,  
401.1356, 238.9177

■ 0.4707, 0.9207,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.7613, 72.7171,  
24.6906

■ 61.7613, 72.7171,  
24.6906

■ 60.5988, 72.2411,  
19.1793

■ 63.2438, 73.3265,  
31.8704

■ 59.7256, 71.8781,  
15.1979


■ 65.0638, 74.0682,  
40.8335


■ 59.1141, 71.6199,  
12.5934

■ 67.2436, 74.9539,  
51.6900


■ 58.7289, 71.4522,  
11.1788


■ 69.8022, 75.9911,  
64.5395


 58.5555, 71.3735,  
10.6903

 72.7571, 77.1869,  
79.4751

 76.1250, 78.5479,  
96.5836

 77.9953, 79.3100,  
105.8053

 78.1159, 79.3721,  
105.8109

 78.2367, 79.4344,  
105.8166

# Harmonies

## Analogous

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



76.0755, 72.7171, 24.3768



61.7613, 72.7171, 24.6906



51.0177, 72.7171, 35.7619

# Triad

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



61.7613, 72.7171, 24.6906



51.5535, 72.7171, 151.1876



99.7007, 72.7171, 100.0861

# Complementary

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



61.7613, 72.7171, 24.6906



25.5704, 19.3698, 75.7942

# 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.



91.0548, 72.7171, 148.3246



61.7613, 72.7171, 24.6906



62.5934, 72.7171, 184.0793

# Square

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



61.7613, 72.7171, 24.6906



45.7094, 72.7171, 103.1056



77.0313, 72.7171, 182.8794



99.3955, 72.7171, 59.2697



# Rectangle

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



61.7613, 72.7171, 24.6906



46.7342, 72.7171, 50.9944



77.0313, 72.7171, 182.8794



97.6979, 72.7171, 116.1982

# Sweetspot

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



61.7630, 72.7204, 24.6921



88.9147, 97.5172, 77.8887



39.9089, 28.0727, 17.2261



18.8832, 20.8126, 15.9264



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.



61.7630, 72.7204, 24.6921



77.9345, 93.0396, 23.9303



46.4423, 64.8223, 23.9751



15.5767, 16.8044, 15.3270



33.8208, 41.2167, 6.1731



2.5068, 3.0497, 0.4565



# Inverse Universe

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



25.5704, 19.3698, 75.7942



26.5280, 17.2462, 96.5384



35.3057, 24.3885, 76.2498



13.6048, 13.8985, 18.1100



8.1232, 3.2536, 42.5830

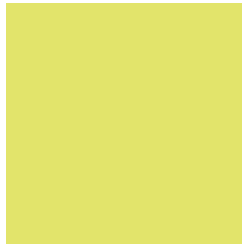


0.6081, 0.2445, 3.1471



# Previews

## White Background



This preview shows how the XYZ color 61.7613, 72.7171, 24.6906 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 61.7613, 72.7171, 24.6906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

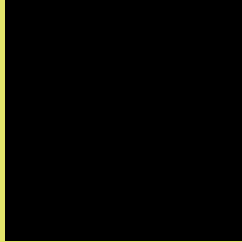
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.7613, 72.7171, 24.6906

## Background



This preview shows how black text looks on a background with the XYZ color 61.7613, 72.7171, 24.6906.



This preview shows how white text looks on a background with the XYZ color 61.7613, 72.7171,



# 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

61.7613, 72.7171, 24.6906

### Protanopia

66.3273, 72.6750, 23.8964

### Deuteranopia

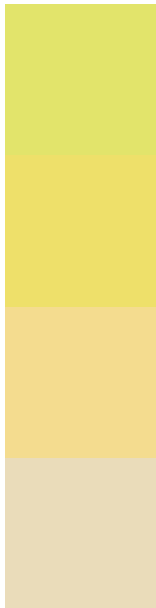
72.1513, 72.5052, 44.8425



## Tritanopia

74.3208, 72.7211, 85.7208

# Trichromacy



## Original Color

61.7613, 72.7171, 24.6906

## Protanomaly

64.5171, 72.5291, 24.2348

## Deuteranomaly

67.8594, 72.4027, 36.3851

## Tritanomaly

68.3878, 72.2240, 56.7906

# Monochromacy



## Original Color

61.7613, 72.7171, 24.6906

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

61.9828, 68.6636, 50.5440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7613, 72.7171, 24.6906 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(226, 228, 107)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 107)  
}
```

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(226, 228, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7613, 72.7171, 24.6906 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(226, 228, 107) }
```



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

```
.border{ border-color:rgb(226, 228, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 107); box-shadow:4px 4px 4px 4px rgb(226, 228, 107) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7613, 72.7171, 24.6906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 107) }
```

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

```
.background{ background-color: rgb(226,  
228, 107) }
```

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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