

# Converting Colors

XYZ(62.7000, 72.3624, 32.4249)

Have a look what the booklet for  
XYZ(62.7000, 72.3624, 32.4249)  
contains.

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# **Color**

**XYZ(62.7252, 72.2274,  
32.4651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E284
RGB	226, 226, 132
RGB Percent	89%, 89%, 52%
CMY	0.1137, 0.1137, 0.4823
CMYK	0.00, 0.00, 0.42, 0.11
HSL	60°, 62%, 70%
HSV	60°, 42%, 89%
XYZ	62.7252, 72.2274, 32.4651
YIQ	215.2840, 30.1740, -29.2340

# Conversions

## Conversions Part 2

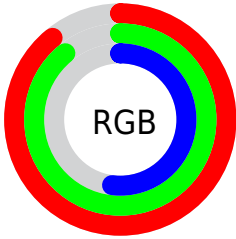
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 226, 132
Decimal	14869124
CIELab	88.08, -13.30, 45.83
CIELCh	88, 47.721, 106.178
Yxy	72.2274, 0.3747, 0.4314
Android (android.graphics.Color)	4293059204 (0xFFE2E284)
YUV	215.2840, -41.0590, 9.3979
Hunter-Lab	84.9867, -16.9832, 36.8418

# Details

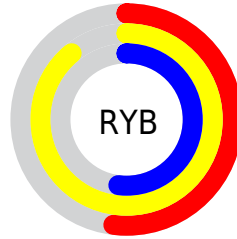
The XYZ color **62.7252, 72.2274, 32.4651** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.4970, 26.9008, 75.4881**, and the grayscale version is **65.0407, 68.4279, 74.5179**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **32.3731, 38.1400, 13.2449** is the 20% darker color. If you saturate the color by 10%, you get **61.3435, 71.6772, 25.1837**, and if you desaturate by 10%, it is **64.4455, 72.9182, 41.5139**.

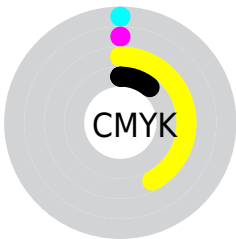
# Distribution



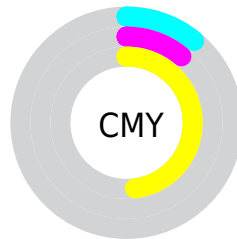
- Red (89%)
- Green (89%)
- Blue (52%)



- Red (52%)
- Yellow (89%)
- Blue (52%)



- Cyan (0%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7252, 72.2274, 32.4651 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 62.7252, 72.2274, 32.4651 by changing the saturation by 10% instead.



62.7252, 72.2274,  
32.4651

62.7252, 72.2274,  
32.4651

424.2470,  
468.3327, 327.7903

45.8767, 53.3445,  
21.4492

107.8570,  
122.3798, 64.6459

32.3528, 38.0778,  
13.2583

136.8711,  
154.4180, 86.6479

21.7880, 26.0431,  
7.4739

170.6710,  
191.6101, 113.1490

13.8169, 16.8559,  
3.6773

209.6223,  
234.3405, 144.5677

8.0743, 10.1318,  
1.4500

254.0901,  
282.9936, 181.3227

4.1947, 5.4864,  
0.1803


304.4400,

1.8129, 2.5354,


337.9537, 223.8324


0.0000


361.0372,  
399.6053, 272.5155


 0.5254, 0.8943,  
0.0000


 0.0000, 0.0000,  
0.0000


 62.7252, 72.2274,  
32.4651


 62.7252, 72.2274,  
32.4651

 61.3435, 71.6772,  
25.1837


 64.4455, 72.9182,  
41.5139


 60.2732, 71.2491,  
19.5501


 66.5190, 73.7476,  
52.4304


 59.4916, 70.9364,  
15.4371


 68.9658, 74.7264,  
65.3126


 58.9708, 70.7280,  
12.6969


 71.8030, 75.8613,  
80.2505


 58.6771, 70.6105,  
11.1527


 75.0466, 77.1588,  
97.3285

 58.5592, 70.5632,  
10.5337

 76.6148, 77.7861,  
105.5839

 76.6152, 77.7864,  
105.5840

 76.6157, 77.7866,  
105.5840

 76.6162, 77.7869,  
105.5840

# Harmonies

## Analogous

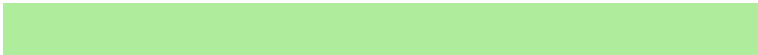
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0183, 72.2274, 32.0965



62.7252, 72.2274, 32.4651



54.0257, 72.2274, 42.7075

# Triad

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



62.7252, 72.2274, 32.4651



54.5702, 72.2274, 133.1529



92.1967, 72.2274, 94.6061

# Complementary

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



62.7252, 72.2274, 32.4651



31.4970, 26.9008, 75.4881

# 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.



85.7005, 72.2274, 130.5793



62.7252, 72.2274, 32.4651



63.5477, 72.2274, 156.6569

# Square

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



62.7252, 72.2274, 32.4651



49.6858, 72.2274, 97.4517



74.9366, 72.2274, 155.6026



91.9133, 72.2274, 62.4255



# Rectangle

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



62.7252, 72.2274, 32.4651



50.4955, 72.2274, 55.9259



74.9366, 72.2274, 155.6026



90.7050, 72.2274, 106.8050

# Sweetspot

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



62.7270, 72.2307, 32.4666



90.5081, 98.1832, 84.9867



43.7826, 34.3390, 26.1512



19.2764, 20.9768, 17.6851



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.



62.7270, 72.2307, 32.4666



80.8603, 94.3238, 34.1945



49.9544, 65.6462, 31.8689



14.8717, 16.0296, 14.6170



33.4061, 40.2540, 6.0091



2.3156, 2.7902, 0.4165



# Inverse Universe

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



31.4970, 26.9008, 75.4881



34.5324, 27.0794, 98.0145



40.5713, 31.5788, 75.9128



12.9522, 13.2434, 17.2613



7.8317, 3.1327, 41.2403



0.5429, 0.2172, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 62.7252, 72.2274, 32.4651 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 62.7252, 72.2274, 32.4651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

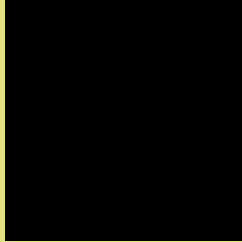
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.7252, 72.2274, 32.4651

## Background



This preview shows how black text looks on a background with the XYZ color 62.7252, 72.2274, 32.4651.



This preview shows how white text looks on a background with the XYZ color 62.7252, 72.2274,



# 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

62.7252, 72.2274, 32.4651

### Protanopia

66.5037, 72.2019, 31.5503

### Deuteranopia

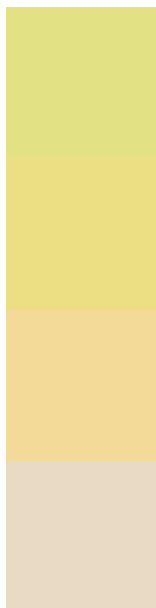
72.0781, 72.0697, 45.7092



## Tritanopia

73.3954, 71.8672, 85.6047

# Trichromacy



## Original Color

62.7252, 72.2274, 32.4651

## Protanomaly

65.0765, 72.2469, 31.9879

## Deuteranomaly

68.1294, 71.6758, 40.3810

## Tritanomaly

68.5260, 71.4066, 61.8009

# Monochromacy



## Original Color

62.7252, 72.2274, 32.4651

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

63.3019, 69.2259, 55.9245

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7252, 72.2274, 32.4651 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, 226, 132)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 132)  
}
```

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, 226, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7252, 72.2274, 32.4651 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, 226, 132) }
```



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

```
.border{ border-color:rgb(226, 226, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 226, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 226, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 226, 132); box-shadow:4px 4px 4px 4px rgb(226, 226, 132) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7252, 72.2274, 32.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 132) }
```

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

```
.background{ background-color: rgb(226,  
226, 132) }
```

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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