

# Converting Colors

XYZ(61.1400, 72.1652, 64.2284)

Have a look what the booklet for  
XYZ(61.1400, 72.1652, 64.2284)  
contains.

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# Color

**XYZ(61.2548, 72.4066,  
64.1735)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4E6C6
RGB	196, 230, 198
RGB Percent	77%, 90%, 78%
CMY	0.2314, 0.0980, 0.2235
CMYK	0.15, 0.00, 0.14, 0.10
HSL	124°, 40%, 84%
HSV	124°, 15%, 90%
XYZ	61.2548, 72.4066, 64.1735
YIQ	216.1860, -9.9920, -17.1600

# Conversions

## Conversions Part 2

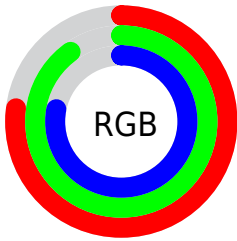
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 228, 230
Decimal	12904134
CIELab	88.16, -17.10, 11.91
CIElCh	88, 20.833, 145.141
Yxy	72.4066, 0.3096, 0.3660
Android (android.graphics.Color)	4291094214 (0xFFC4E6C6)
YUV	216.1860, -8.9657, -17.7031
Hunter-Lab	85.0921, -20.4152, 14.8500

# Details

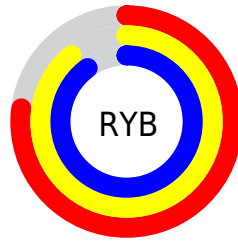
The XYZ color **61.2548, 72.4066, 64.1735** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3792, 61.9060, 81.8526**, and the grayscale version is **65.4627, 68.8719, 75.0015**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **31.3254, 38.0365, 32.0763** is the 20% darker color. If you saturate the color by 10%, you get **53.4036, 68.6294, 51.6906**, and if you desaturate by 10%, it is **70.3840, 76.8055, 78.5821**.

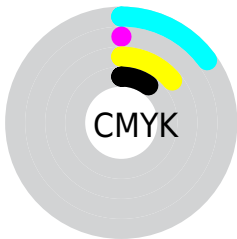
# Distribution



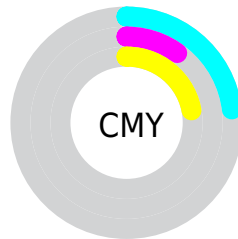
- Red (77%)
- Green (90%)
- Blue (78%)



- Red (77%)
- Yellow (89%)
- Blue (90%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)



- Cyan (23%)
- Magenta (10%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.2548, 72.4066, 64.1735 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 61.2548, 72.4066, 64.1735 by changing the saturation by 10% instead.



61.2548, 72.4066,  
64.1735

61.2548, 72.4066,  
64.1735

418.9686,  
468.9556, 458.0406

44.6842, 53.4909,  
46.3441

105.7438,  
122.6344, 112.4626

31.4089, 38.1948,  
32.1668

134.3929,  
154.7153, 143.7595

21.0638, 26.1339,  
21.2231

167.7988,  
191.9534, 180.3826

13.2834, 16.9238,  
13.0943

206.3269,  
234.7331, 222.7504

7.7023, 10.1802,  
7.3621

250.3426,  
283.4388, 271.2816

3.9553, 5.5186,  
3.6077

300.2112,

1.6768, 2.5546,

338.4548, 326.3947

1.4127

356.2981,  
400.1656, 388.5082

■ 0.4417, 0.9039,  
0.1516

■ 0.0000, 0.0000,  
0.0000

■ 61.2548, 72.4066,  
64.1735

■ 61.2548, 72.4066,  
64.1735

■ 53.4036, 68.6294,  
51.6906

■ 70.3840, 76.8055,  
78.5821

■ 46.7678, 65.4372,  
41.0473

■ 80.8385, 81.8427,  
94.9881

■ 41.2884, 62.8036,  
32.1582

■ 87.5882, 85.0764,  
106.4127

■ 36.8991, 60.6963,  
24.9291

■ 33.5269, 59.0799,  
19.2571

■ 31.0900, 57.9147,  
15.0278

■ 29.4938, 57.1547,  
12.1112

■ 28.6234, 56.7440,  
10.3538

■ 28.3743, 56.6269,  
9.8336

# Harmonies

## Analogous

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



64.8300, 72.4066, 56.5180



61.2548, 72.4066, 64.1735



59.7092, 72.4066, 76.5371

# Triad

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



61.2548, 72.4066, 64.1735



68.0120, 72.4066, 109.4581



77.8622, 72.4066, 67.7472

# Complementary

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



61.2548, 72.4066, 64.1735



66.3792, 61.9060, 81.8526

# 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.



78.8141, 72.4066, 81.1855



61.2548, 72.4066, 64.1735



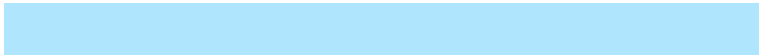
72.9711, 72.4066, 106.3755

# Square

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



61.2548, 72.4066, 64.1735



63.4886, 72.4066, 103.5628



76.9844, 72.4066, 95.5830



74.4424, 72.4066, 58.4001



# Rectangle

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



61.2548, 72.4066, 64.1735



59.9808, 72.4066, 86.2240



76.9844, 72.4066, 95.5830



78.4882, 72.4066, 71.8872

# Sweetspot

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



61.2568, 72.4097, 64.1751



89.8890, 97.5136, 100.7911



70.3539, 77.1259, 63.4041



19.0387, 20.7750, 21.2569



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

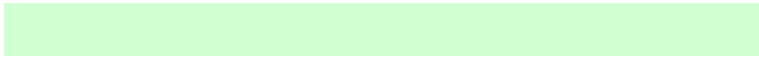


# Same Dimension

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



61.2568, 72.4097, 64.1751



73.9413, 89.8333, 75.5979



63.2912, 73.2234, 74.8881



14.2235, 16.1028, 15.4419



16.0776, 32.0632, 5.6431



1.2003, 2.3742, 0.4812



# Inverse Universe

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



66.3792, 61.9060, 81.8526



81.6832, 73.9573, 102.3146



64.1709, 61.0226, 70.2237



14.9566, 14.5998, 17.9717



25.5428, 12.3513, 38.0828



1.8987, 0.9172, 2.8732



# Previews

## White Background



This preview shows how the XYZ color 61.2548, 72.4066, 64.1735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

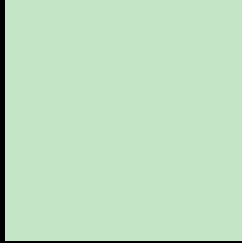
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.2548, 72.4066, 64.1735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

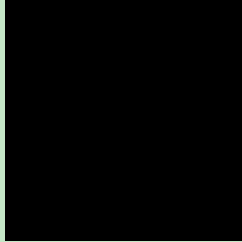
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.2548, 72.4066, 64.1735

## Background



This preview shows how black text looks on a background with the XYZ color 61.2548, 72.4066, 64.1735.



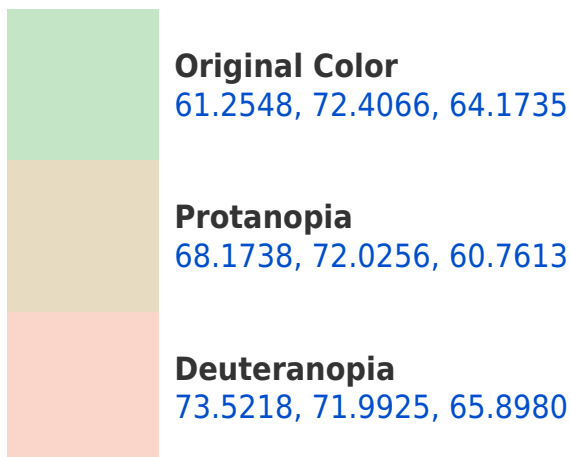
This preview shows how white text looks on a background with the XYZ color 61.2548, 72.4066,

64.1735.

# 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

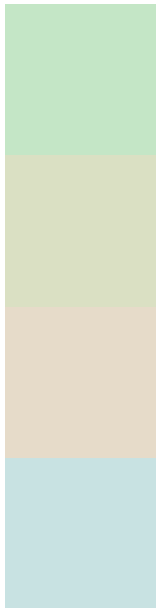




## Tritanopia

67.3113, 72.4186, 94.4349

# Trichromacy



## Original Color

61.2548, 72.4066, 64.1735

## Protanomaly

65.4194, 72.1569, 62.1095

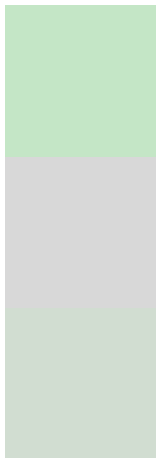
## Deuteranomaly

68.5073, 71.7031, 65.4877

## Tritanomaly

64.7432, 72.1631, 82.4680

# Monochromacy



## Original Color

61.2548, 72.4066, 64.1735

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.6596, 69.8717, 70.4530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.2548, 72.4066, 64.1735 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(196, 230, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 198)  
}
```

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(196, 230, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 61.2548, 72.4066, 64.1735 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(196, 230, 198) }
```



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

```
.border{ border-color:rgb(196, 230, 198) }
```

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

Here you see how a box with a 4 pixel rgb(196, 230, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 230, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 230, 198);  
box-shadow:4px 4px 4px 4px rgb(196, 230,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.2548, 72.4066, 64.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 198) }
```

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

```
.background{ background-color: rgb(196,  
230, 198) }
```

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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