

# Converting Colors

XYZ(62.9742, 64.2802, 86.5472)

Have a look what the booklet for  
XYZ(62.9742, 64.2802, 86.5472)  
contains.

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# Color

**XYZ(62.9960, 64.2603,  
86.1740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFD0E9
RGB	207, 208, 233
RGB Percent	81%, 82%, 91%
CMY	0.1882, 0.1843, 0.0863
CMYK	0.11, 0.11, 0.00, 0.09
HSL	238°, 37%, 86%
HSV	238°, 11%, 91%
XYZ	62.9960, 64.2603, 86.1740
YIQ	210.5510, -8.6210, 7.5630

# Conversions

## Conversions Part 2

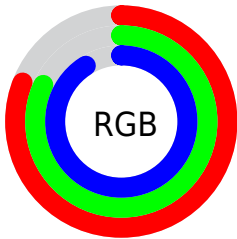
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 208, 233
Decimal	13619433
CIE Lab	84.10, 4.47, -12.41
CIE LCh	84, 13.191, 289.813
Yxy	64.2603, 0.2952, 0.3011
Android (android.graphics.Color)	4291809513 (0xFFCFD0E9)
YUV	210.5510, 11.0674, -3.1142
Hunter-Lab	80.1625, -0.0096, -7.6225

# Details

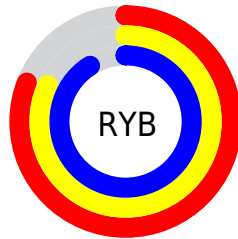
The XYZ color **62.9960, 64.2603, 86.1740** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.7238, 79.5416, 70.5003**, and the grayscale version is **61.5559, 64.7616, 70.5253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6283, 33.0578, 46.2561** is the 20% darker color. If you saturate the color by 10%, you get **51.8794, 50.9876, 84.1990**, and if you desaturate by 10%, it is **75.8485, 79.5764, 88.4539**.

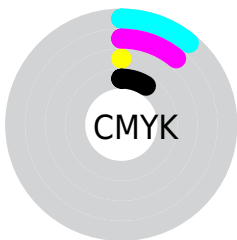
# Distribution



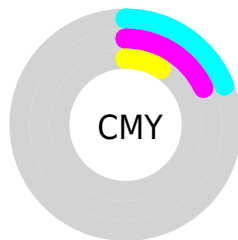
- Red (81%)
- Green (82%)
- Blue (91%)



- Red (81%)
- Yellow (82%)
- Blue (91%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (18%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9960, 64.2603, 86.1740 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 62.9960, 64.2603, 86.1740 by changing the saturation by 10% instead.



■ 62.9960, 64.2603,  
86.1740

■ 62.9960, 64.2603,  
86.1740

425.2149,  
440.1290, 535.7503

■ 46.0966, 46.8615,  
64.2561

108.2456,  
110.9857, 143.9010

■ 32.5270, 32.9262,  
46.4107

137.3265,  
141.0812, 180.5472

■ 21.9218, 22.0699,  
32.2190

171.1986,  
176.1776, 222.9399

■ 13.9158, 13.9083,  
21.2626

210.2273,  
216.6595, 271.4977

■ 8.1434, 8.0569,  
13.1230

254.7779,  
262.9112, 326.6391

■ 4.2394, 4.1314,  
7.3816

305.2158,

■ 1.8385, 1.7473,

315.3171, 388.7826

3.6198

361.9063,  
374.2616, 458.3469

■ 0.5407, 0.4540,  
1.4192

■ 0.0000, 0.0000,  
0.1566

■ 62.9960, 64.2603,  
86.1740

■ 62.9960, 64.2603,  
86.1740

■ 51.8794, 50.9876,  
84.1990

■ 75.8485, 79.5764,  
88.4539

■ 42.4188, 39.6642,  
82.5120

■ 90.5006, 97.0087,  
91.0464

■ 34.5367, 30.2008,  
81.1008

■ 91.7082, 98.6633,  
91.3022

■ 28.1472, 22.4981,  
79.9508

■ 23.1561, 16.4471,  
79.0459

■ 19.4585, 11.9272,  
78.3684

■ 16.9349, 8.8010,  
77.8980

■ 15.4433, 6.9069,  
77.6110

■ 14.8057, 6.0783,  
77.4847

# Harmonies

## Analogous

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



60.0920, 64.2603, 86.9770



62.9960, 64.2603, 86.1740



65.4578, 64.2603, 80.8404

# Triad

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



62.9960, 64.2603, 86.1740



64.7642, 64.2603, 58.4139



55.7280, 64.2603, 67.1691

# Complementary

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



62.9960, 64.2603, 86.1740



73.7238, 79.5416, 70.5003

# 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.



56.8971, 64.2603, 60.1179



62.9960, 64.2603, 86.1740



62.0737, 64.2603, 55.3359

# Square

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



62.9960, 64.2603, 86.1740



66.5009, 64.2603, 64.6703



59.1983, 64.2603, 55.9339



55.9572, 64.2603, 75.5486



# Rectangle

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



62.9960, 64.2603, 86.1740



66.4877, 64.2603, 75.6524



59.1983, 64.2603, 55.9339



55.9690, 64.2603, 64.5767

# Sweetspot

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



62.9979, 64.2630, 86.1754



89.9897, 93.9745, 108.0037



69.3951, 77.3535, 87.3949



18.9793, 19.7783, 23.0672



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.



62.9979, 64.2630, 86.1754



74.5502, 75.5698, 105.2649



66.1453, 65.5239, 86.2529



14.2778, 14.6420, 18.9959



8.4214, 3.4898, 43.9727



0.6777, 0.3070, 3.4584

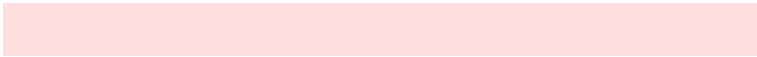


# Inverse Universe

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



67.3038, 66.5049, 68.9669



80.6580, 78.7575, 80.8532



70.3128, 78.2032, 70.4218



15.0890, 15.0635, 15.7540



19.1060, 9.8451, 1.0937

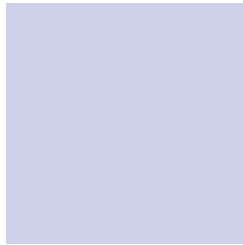


1.5086, 0.7764, 0.1296



# Previews

## White Background



This preview shows how the XYZ color 62.9960, 64.2603, 86.1740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

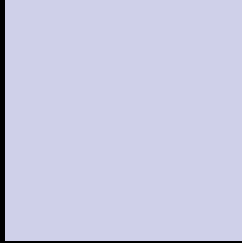
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9960, 64.2603, 86.1740 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

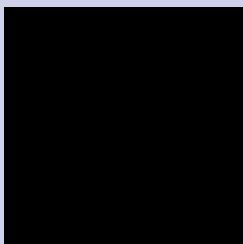
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.9960, 64.2603, 86.1740

## Background



This preview shows how black text looks on a background with the XYZ color 62.9960, 64.2603, 86.1740.



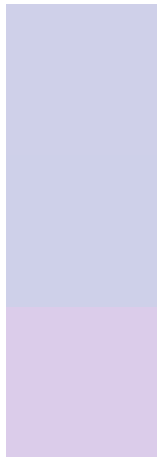
This preview shows how white text looks on a background with the XYZ color 62.9960, 64.2603,



# 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

62.9960, 64.2603, 86.1740

### Protanopia

62.7175, 64.1168, 86.1610

### Deuteranopia

65.6576, 64.1863, 86.7706



## Tritanopia

61.9815, 64.2137, 81.0792

# Trichromacy



## Original Color

62.9960, 64.2603, 86.1740

## Protanomaly

62.7175, 64.1168, 86.1610

## Deuteranomaly

64.7069, 64.0502, 86.7944

## Tritanomaly

62.3969, 64.3799, 83.2666

# Monochromacy



## Original Color

62.9960, 64.2603, 86.1740

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

62.4111, 64.9093, 76.2572

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9960, 64.2603, 86.1740 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(207, 208, 233)` looks like.

```
.text, #text, p{  
    color:rgb(207, 208, 233)  
}
```

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(207, 208, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 208, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9960, 64.2603, 86.1740 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(207, 208, 233) }
```



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

```
.border{ border-color:rgb(207, 208, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 208, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 208, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 208, 233); box-shadow:4px 4px 4px 4px rgb(207, 208, 233) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9960, 64.2603, 86.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 208, 233) }
```

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

```
.background{ background-color: rgb(207,  
208, 233) }
```

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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